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VOL. CXXVII

OCTOBER 2, 1937

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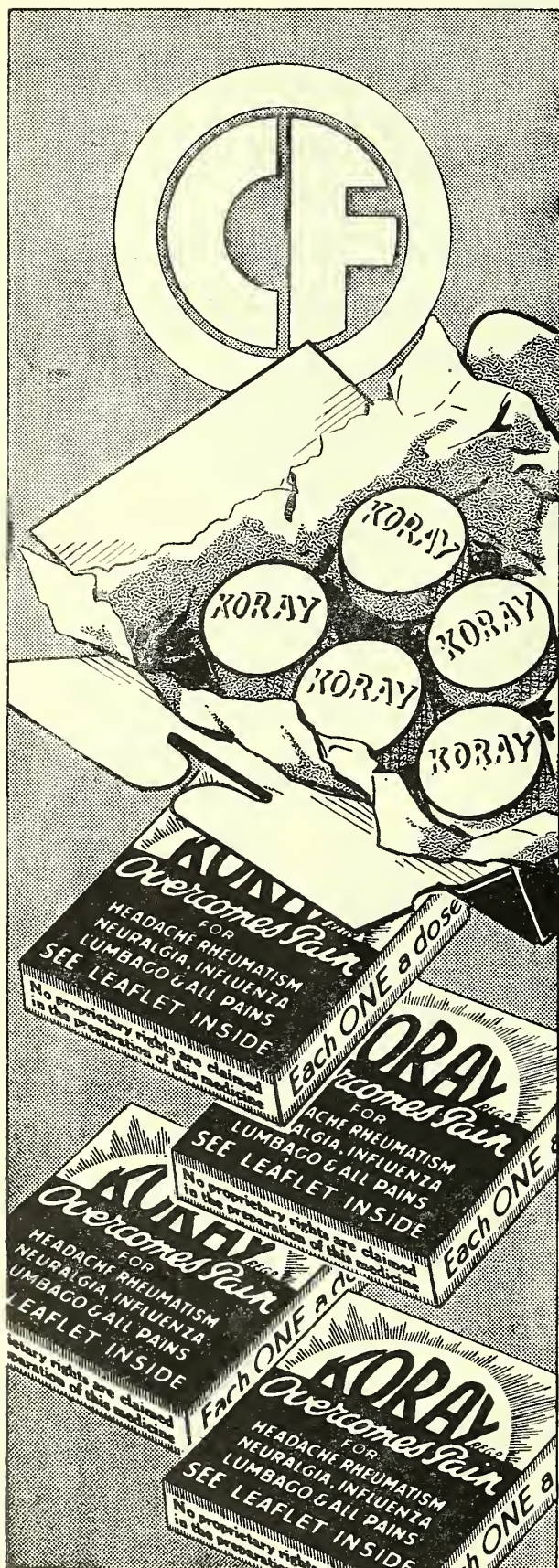
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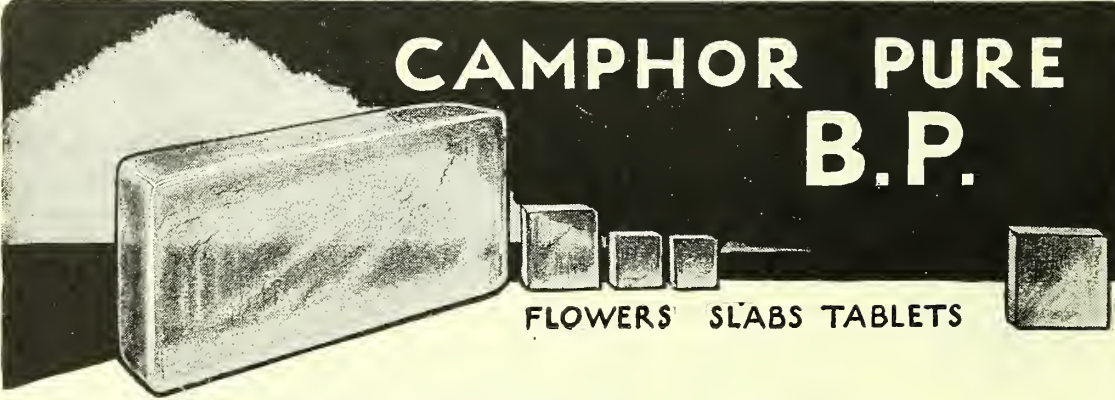
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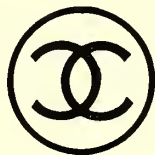
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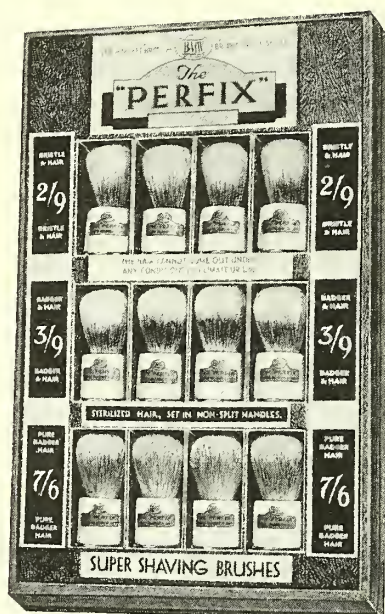
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Modern Miracle

By Polly White

The Reader's Digest has thoroughly investigated and corroborated the details of this unusual article

THE EIGHT black-robed judges of the Court of Appeals in Washington sat watching a lovely auburn-haired girl. With deft movements she daubed cold cream over the left side of her face, and wiping it off with a towel revealed a hideous flaming birthmark from chin to forehead. No longer did the judges see her beautiful hair, her blue eyes or her trim figure. All they noticed was that terrible disfigurement.

Then she applied paste to her face, and adding rouge and powder, in two minutes became once more a charming young woman. The judges gasped, so vivid and dramatic was the contrast. This girl was applying for a patent in a field in which the government had hitherto refused to allow patents. As her fingers moved rapidly over her face, she told her story, the autobiography of Lydia O'Leary.

Children are cruel. Because of this her early life was unhappy. Much of her youth was spent evading the questions and stares of her playmates. During recesses at school she hid in the rest room, and she played alone. Hadn't her parents done anything about that flaming birthmark? Certainly. They had poured out thousands of dollars on visits to eminent skin specialists. There was nothing that medical science could do. "Port wine" birthmarks cannot be treated without causing unsightly scars, and making the disfigurement worse.

But Lydia O'Leary is a plucky girl. When ready at last for college she was morally equipped for life. That is, she had resolved to bolster her courage, and not be beaten by the handicap life had given her. She could brush her hair back, let folks see what she was like, and abide by the consequences. There in the Washington courtroom she made those eight men feel and live with her through the struggles and agonies of her early existence.

After college she came to New York and made the rounds of the big department stores in quest of a job. Her qualifications and intelligence were much above the average, but her facial blemish stood in the way. With bitterness in her heart she realized she could not be employed at any job that involved meeting people.

She hid herself away in a back room, making a living by painting place-cards.

One day she was painting an iris on a bridge tally. She got one petal too dark, and touched it up with a lighter shade. The light shade concealed the dark purple perfectly. If only she could "touch up" her birthmark so easily! An idea was born—why not try it? She grabbed the oil paint and covered her birthmark. In the mirror she saw a beautiful, excited girl with no blemish on her face!

The more she thought about concealment for her birthmark the more plausible it seemed. Having studied chemistry in college, she was able to select materials at her corner drugstore for the experiment. Then, with the help of a chemist, she worked for weeks, finally evolving a lotion. Alas, every time she smiled, the lotion cracked. When she made the lotion more pliable, it rubbed away in several hours. Months passed before she got the exact components of a paste that would stay on for a weekend and still be indistinguishable from skin.

At last one day she approached the department store personnel manager who had several times refused her employment. "Your personality is familiar," he said, "but your face—." She told her story, and his rejoicing was as great as hers. A job? Of course. She went to work selling hats, and in three weeks made an all-time record for high sales in that store. Later she was made buyer. Her face was her fortune!

All this the young woman told those eight stern judges. When she was through and leaving the courtroom, her lawyer said, "I believe you'll get the patent." She did, thereby overruling the decision which had made necessary the appealing of the case. The original examiner had maintained that the law says no cosmetic can be granted a patent; a cosmetic is defined as an application to the skin which increases its beauty; Miss O'Leary's product filled that description—therefore it was a cosmetic and could not be patented. All such logic, however, had been waived by the Court of Appeals.

It was several years after Miss O'Leary discovered her preparation before she marketed it. She was using it daily, happy at her job, and about to take a better

one in a Baltimore store, when an infected foot sent her to the doctor. While waiting, she noticed a woman in the office with a birthmark like her own. Once inside, she asked the physician whether he treated birthmarks. Yes, but there wasn't much to be done. Timidly she said:

"I have a birthmark. It's just like the one on the face of that woman in the waiting-room."

The doctor examined her critically. "It must be very small," he said.

She asked for some cold cream. Removing the covering, she displayed the flaming red side of her face.

"Why, that's the most amazing thing I've seen in 28 years' practice," he said. "You owe that to the world."

Her first thought was to sell her discovery to a leading cosmetician. Offers were made of many thousands, but the doctor advised against them. "You are the one with a birthmark, and you can understand and help others so afflicted."

And she does. Come into Miss O'Leary's office at 551 Fifth Avenue, New York, and watch the sufferers waiting to learn about her product. The majority conceal their faces with upturned coat collars or downturned brims. Let's follow one woman inside and see what happens.

Once the door is closed, she removes a large flopping hat and shows heavy hair furred over her face in a clumsy attempt to hide a terrible red birthmark. With active fingers Miss O'Leary covers the face with the opaque, skin-like film, applies powder and rouge, and out goes the patient, head erect, young, pretty, and attractive.

In one such case a year ago, the girl had been a bookkeeper in a fashionable hat shop, anxious to sell on the floor but unable to obtain the manager's permission. I recently visited the store and asked for Miss X. I waited for three-quarters of an hour—all the customers wanted Miss X and she couldn't get free. When she came forward, smiling and gracious, she assured me that she felt ten years younger than when she had visited Miss O'Leary's office, completely discouraged. The disguise was perfect. She showed me her transformation, then left to join her husband. She had been married two months.

Within six years Miss O'Leary has transformed thousands of lives. "Covermark" is effective not merely for covering birthmarks, but for facial and bodily scars resulting from accidents or burns, and for leucoderma, the malady that results in white, depigmented areas on the skin. Scars of that kind often render a person unemployable. Thanks to Miss O'Leary, hundreds of people have been able to take their places in the ranks of industry without hesitation or complexes.

The greatest value of concealment, thinks Miss O'Leary, is psychological. Every day she watches her invention transform human beings not only facially

but spiritually. A typical example is one young girl, now an expert saleswoman in a Brooklyn department store, who was not only unable to find work because of a bad X-ray burn around her chin and cheeks, but who did not even dare to meet strangers. She held her head down in company and gradually developed a bad stutter. Once relieved of her frightful handicap, she was able to get a job, and today her stutter has gone.

Leading dermatologists in New York send patients to Miss O'Leary, and she has been asked to demonstrate before the important dermatological societies of the country. Her preparation is approved by the American Medical Association.

Not all Miss O'Leary's cases are pitiful. To some, Covermark has offered only a relief from a minor blemish or a temporary skin trouble. One girl wrote, "I was going to be married in a week and my face broke out." The creamy disguise enabled her to appear sans facial disorders as a bride should be!

Miss O'Leary's sympathy and understanding are important to sufferers from facial disfigurements. Recalling the unhappy days of her own childhood, she always tells parents, "Don't let your children feel sorry for themselves. Parents make the mistake of lamenting the affliction of their children. That's the worst possible attitude. None of my six brothers and sisters ever referred to my birthmark. Psychologically, it's just as necessary for a child as an adult to have a disfigurement hidden. Take the child early and cover up the blemish. You don't want your child to be constantly asked the question: 'What's the matter with your face?' from his earliest days."

Once she read of the birth of a baby to a famous movie couple. The account mentioned a birthmark on the baby's forehead. Impulsively she wired them telling of her own birthmark and how she had hidden it, and sent a sample. Though she never heard from the child's parents, years later another Hollywood actress told her the famous Hollywood baby never left the nursery without wearing her covering.

Letters come to Miss O'Leary from every part of the country. One of the most charming was a note from a bride whose boyhood sweetheart came back from Annapolis and married her despite an ugly birthmark. Because she'd always lived in a small town, it made little difference, but when her husband was transferred to Washington she was afraid to meet strange people. Shortly before leaving, she heard about Covermark, and the bride wrote happily from the capital that she was about to meet her husband's friends, gay with the knowledge that he was delighted in her. There are hundreds of similar letters—some tearfully grateful, others telling of new hopes, new lives, new-found happiness. They come from those who have been humiliated, confiding that at last they are no longer followed by cruel, piercing eyes, that they are losing their sense of inferiority and gaining a new self-confidence.



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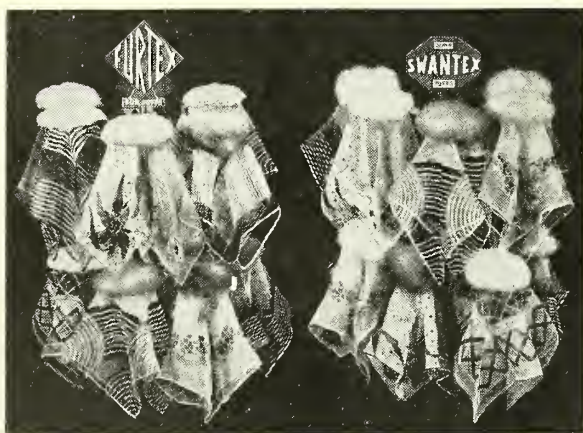
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AND — SPUN OINTMENTS — OF COURSE



XMAS PRESENTS New OPPORTUNITIES for PROFIT with this Magnificent Display ★

Here's something your Christmas customers cannot resist. These dainty SWANTEX and FURTEX Puffs, in their pretty printed Silk Hankies, are just the things to appeal as presents—for their friends or for themselves. And NOW is the time to anticipate the coming Xmas trade. So be sure you get YOUR share of the generous profits from these Puffs.

FURTEX

**Super Fur
HANKY PUFF**
In Luxury Silver-
Covered Display
Boxes of One Dozen

Retail : 1/-, 1/6, 1/11,
2/6, 2/11 each
Cost Price: 8/-, 12/-,
15/-, 20/-, 25/- per doz.

SWANTEX

**Super Down
HANKY PUFF**
In Luxury Gold-
Covered Display
Boxes of One Dozen

★ **FREE!** Write for particulars of Special Free Offer of this fine BLACK AND CHROMIUM DISPLAY STAND, with two tiers of Sprays to display one dozen puffs.

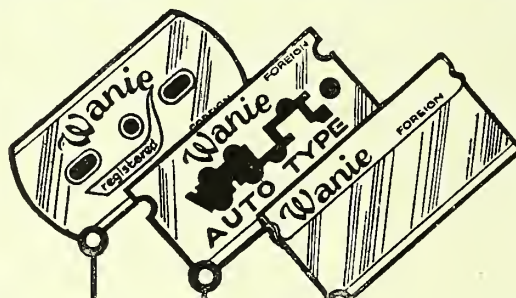
Sole Manufacturers:

N. & F. KAHN, 11-13 Pentonville Rd., London, N.1

Order from your usual Wholesaler.

WANIE

The Profit Raiser Blades



A range of Razor Blades that
consistently raise your profits.

**8¢ PER
GROSS**

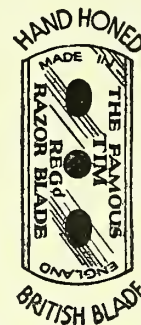
**9¢ PER
100**

Free samples await your request.
Wholesalers are invited to write for Trade Terms.

3/9 TIM
PER GROSS

LONDON & PROVINCIAL FACTORS Ltd.

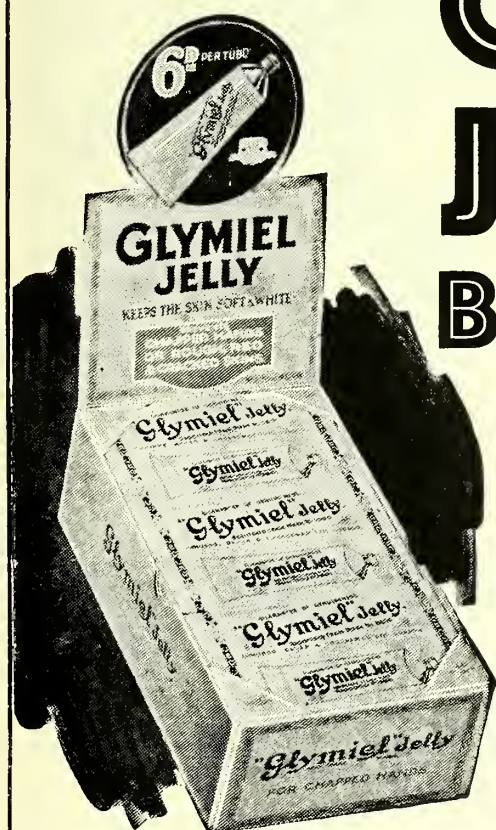
146 Theobalds Road, London, W.C.1
and at 16 Withy Grove, Manchester.



Great opportunity for
GREATER PROFITS

**GLYMIEL
JELLY**

BONUS PARCELS



Now ready

5

Tubes
3d. 6d. & 1/-

Decorative
Jars 2/6

Assortments
to Choose from

Stock up
NOW

Sole Wholesale Agents :

Order Dept.
Telephone :
EUSTON 5010

Sanger's
LIMITED

258 Euston Road, London, N.W.1

Proprietors :
Osborne, Bauer &
Cheeseman, Ltd.
42 Hampstead Road,
London, N.W.1

DIXOR

NOURISHING SKIN FOOD CLEANSING COLD CREAM DAY CREAM (CRÈME DIXOR)

NOW ALL SUPPLIED IN 6d. TUBES

*Recommended
by Betty Brand
of Sunday Graphic
to 1,500,000
women.....*

The demand for our recently introduced Cleansing Cold Cream and Nourishing Skin Food in sizes smaller than the 2/9 Opal Pot has been so great and persistent that we have felt justified in producing 6d. tubes of these creams.

Dixor Day Cream (Crème Dixor), for a long time has been obtainable in tubes from 6d. and in pots at 2/9 and 4/6. We are sure that by taking an interest in these lines you can do good business in them.

Send your enquiries to your usual wholesaler.

Dixor Ltd., St. Leonard's Works, Mortlake, S.W.14



DIXOR

Beauty Preparations

AN ATTRACTIVE OFFER

This high class display stand, of black polished galalith, free with two dozen brushes of outstanding values.

8 pieces each :—

The "STRAND." Pure hog bristle in non-split celluloid handle, retailing 1/6.

The "SAVILLE." White hog bristle in solid nonsplit handle, retailing 2/6.

The "BURLINGTON." Badger and Hair in solid nonsplit handle, retailing 4/-.

Each brush attractively cartoned and boxed.

THE COMPLETE PARCEL FOR 42/-



THROUGH WHOLESALE HOUSES ONLY

The Vulfix Shaving Brush Co. Ltd., Progress Works, STOCKPORT

PINAUD

to Advertise!

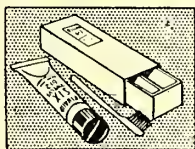
Famous Paris House to Launch Big Publicity Campaign!

TWO NEW PRODUCTS

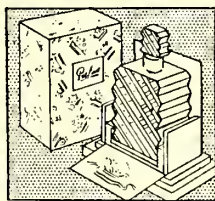
Here is news of the first importance to the Trade. Pinaud, whose Eau de Quinine, Eau de Portugal, perfumes and other products have always enjoyed a steady sale in this country, are to launch their first advertising campaign in the British Press.

Advertising is to commence *at once* in such famous national newspapers and magazines as the Daily Mail, Daily Mirror, Daily Sketch, Vogue, Harpers Bazaar, etc., etc.—journals read by a total of over 12,675,000 women!

This nation-wide advertising of an already famous name means increased demand for Pinaud products—increased business for all chemists, hairdressers and stores who keep Pinaud goods and show material prominent in window and counter displays.



two new Pinaud products — 'Six-Twelve' Creamy Mascara, a fine quality tube eye-cosmetic, and Préface, a new perfume in the luxury class, exquisitely packed. Specimen advertisements (much reduced) for these products are shown on this page.



Abundant free display material will be sent out with all orders for Pinaud products during the next few weeks.

Profit to the utmost from Pinaud advertising! Watch your stocks and make your window displays NOW!



PINAUD Ltd. PARIS & LONDON

'SIX-TWELVE' CREAMY MASCARA. PRÉFACE PERFUME. EAU DE QUININE. EAU DE PORTUGAL ETC.

**WE MAKE SHAVING
BRUSHES FROM
SUPERFINE BADGER
TO PURE HOG**

ASK YOUR WHOLE-
SALER FOR THIS
ATTRACTIVE DISPLAY
STAND AND OUR KEEN
PRICE CATALOGUE

OR WRITE DIRECT TO

**FORSTER
BRUSHES LTD.
15 HATTON WALL
HATTON GARDEN
LONDON, E.C.1**

'GRAMS : SUBRUSCO, SMITH,
LONDON

'PHONE : CHANCERY 8631

CABLES: SUBRUSCO, LONDON

ESTABLISHED 1840



**LABELS
REGISTERS
CARTONS, etc.**

**SPECIALIST PRINTERS
for CHEMISTS...**

... For every 'own name' line you pack and
display, we have a stock label that will increase its
attractiveness (and its sales). Write for samples.

NOW READY
Revised Edition of the
D.D.A. Register, specially
compiled to meet the
latest poison regulations.

**SUTTLEY &
SILVERLOCK**
(BRANCH OF KELLY'S DIRECTORIES LTD.)
ANDOVER, HANTS
LONDON OFFICE:
2 ARUNDEL STREET, STRAND
W.C.2
Telephone:
Temple Bar 3464 (9 lines)

MAKING THINGS EASIER

WIDE practical experience lies behind the advice and assistance which the National Savings Committee is able to offer to employers who wish to introduce a sound but simple savings scheme for the benefit of their employees.

SUCH a scheme makes it easier for employees to provide for the needs of both the near and the distant future, including retirement. Thousands of firms have introduced one or another of the National Savings ways of saving with memberships ranging from 5 to 5000 and over.

THE National Savings Committee will always be pleased to arrange for one of its representatives to visit a firm with a view to ascertaining on the spot what are the particular requirements, and to suggest ways of meeting them. Concrete schemes, based on data provided by individual firms, can be submitted.

EVERY assistance will be given in starting the scheme, including the provision of a speaker to address employees, and the preparation of a special circular letter for distribution. Membership cards, books, etc. are supplied free.

Please write to the
NATIONAL SAVINGS COMMITTEE (Dept. T.I.B.) • **LONDON • S.W.1**
No postage stamp required

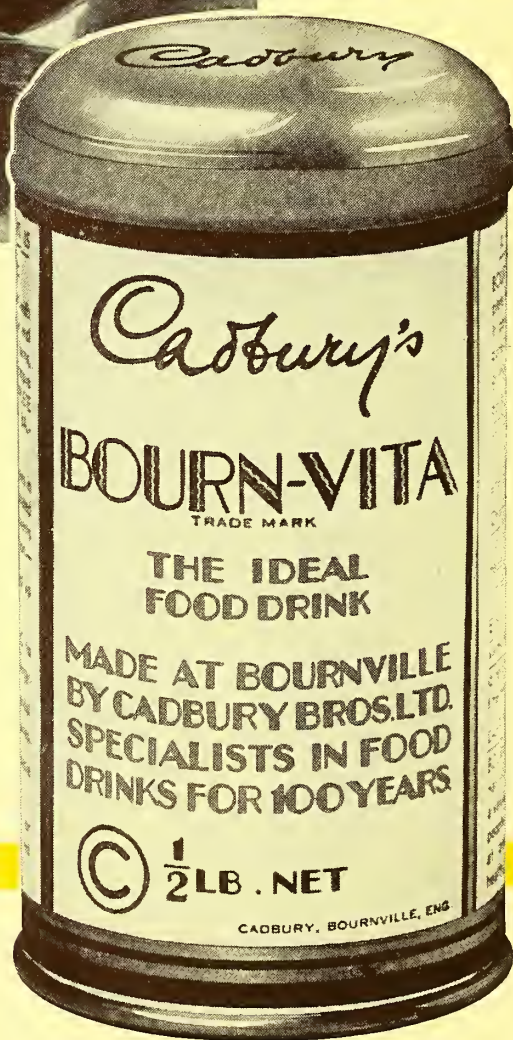


Cadbury's
BOURN-VITA

$\frac{1}{4}$ lb. 9^{D.}

$\frac{1}{2}$ lb. 1/5

1 lb. 2/9



SELL & RECOMMEND

Cadbury's

BOURN-VITA

THE IDEAL FOOD-DRINK

Cadbury's have received testimonials from doctors, nurses, cyclists, business men and women, and thousands of other modern energetic people who have found Bourn-vita an invaluable aid in keeping up vitality.

Bourn-vita contains in a concentrated form :

- | | |
|--|--|
| (a) Protein used to build up tissue. | (e) Phosphorus—which is a bone-forming and nerve-energising food. |
| (b) Carbohydrates which concentrate the energy-giving portion of food. | (f) Various Mineral Salts essential to proper bone and tooth forming and to create assimilation. |
| (c) Diastase which assists in the digesting of starch in foods, and renders it easily assimilable. | (g) By reason of its composition, Bourn-vita promotes healthy sleep. |
| (d) Vitamins which are essential to life and growth and help to resist disease. | (h) Every batch of ingredients is tested for quality and purity in our own laboratories. |

Tell these facts to your customers

AND

INCREASE YOUR SALES



“Dear Mr. Waide.”

It occurred to us that you might be interested to know what other people think about us, so here are a few extracts from recent letters.

“I have nothing but admiration for the idealism and enthusiasm which you attach to business and I only wish more people would hold the same ideals and practise them as you do.”

“Whilst I am writing it is perhaps not out of place for me to mention the highly satisfactory service and quality of work we have always received from you, and for honourable dealing, although your firm may be equalled, I am sure it cannot be excelled.”

“It is impossible not to be impressed by your sincerity and enthusiasm and we are quite confident that all printing entrusted to you will receive the same care in design and reproduction as the booklet.”

“The folders are delightful and strike that quality note which I particularly wanted, and if future jobs give me as much satisfaction as these folders I can see we are going to get along very nicely.”

“We do appreciate your extremely good work and your most obvious desire to be of real service to us.”

“This booklet seems to be a very striking example of one of your own precepts—the desire and the determination to do the job for the love of it—everybody here is delighted with the job.”

“Many thanks for the label suggestions. We think these are excellent and the colour scheme in particular harmonises extremely well with the display material.”

“You are certainly living up to your reputation for good work. The folders are splendid.”

“Congratulations on the good work you are doing. We are full of admiration for the job you have turned out for us.”

“This is a most unusual production and one of those truly delightful jobs which do not often come one’s way these days. We shall look forward to your next effort with great interest.”

“Even a cursory glance is quite sufficient to show the skilful work you have put into this job.”

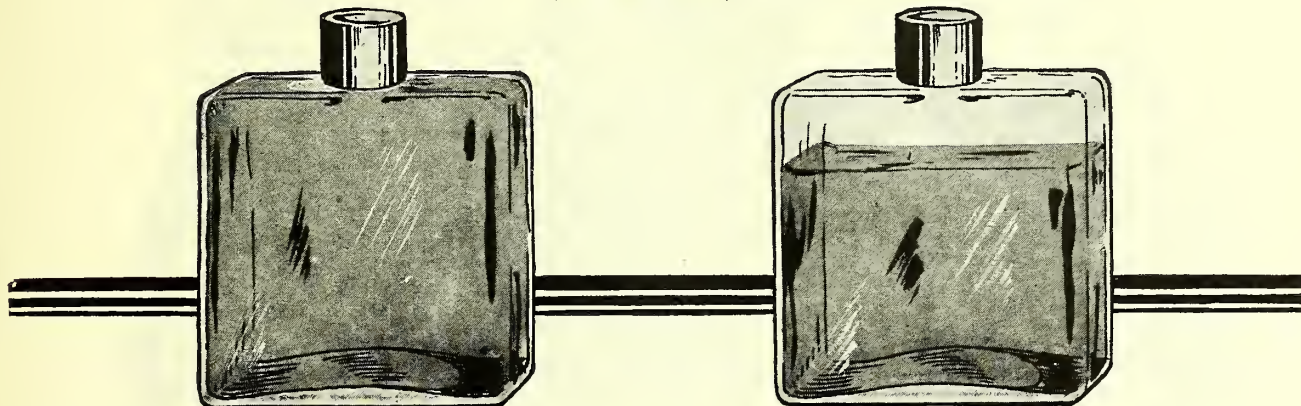
“I appreciate your valuable co-operation tremendously, and I would like to congratulate you on the most interesting suggestions you have submitted.”

“It is always a pleasure to handle work of this description because it is so extremely good.”

for helpful printing see WAIDE’S

WHICH BOTTLE HAS BEEN FITTED WITH A 'CHEKALEKE'?

(PAT. No. 439062)

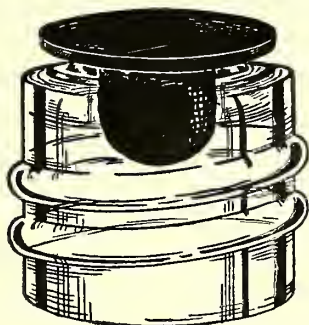


THE FIRST ILLUSTRATION OF COURSE!

FIT A BOTTLE WITH A 'CHEKALEKE' AND IT CAN
TRAVEL AROUND THE WORLD AND NEVER LEAK

THE RISK: (WITHOUT A 'CHEKALEKE') THE WAD MAY BE DEFECTIVE, THE BOTTLE CAP MAY
BECOME UNSCREWED OR BREAK.

THE INSURANCE: FIT 'CHEKALEKE' (MADE IN ELEVEN DIFFERENT SIZES).



THEN IT CAN NEVER LEAK AND YOUR PERFUME WILL EVER KEEP

THE PREMIUM: $\frac{1}{10}$ d. to $\frac{1}{5}$ d. PER BOTTLE ACCORDING TO SIZE.

THE RESULT: SATISFACTION AND INCREASED SALES EVERYWHERE.



The INTERNATIONAL BOTTLE Co. LTD.

Designers and Manufacturers of Quality Glassware

48, FORE STREET, LONDON, E.C.2

'Phone : Met. 6161.

'Grams : "Autrefois, Telex"



MEDAL

... If every industry issued a medal to those organisations whose products have been of real service and value, not only to themselves but to the community at large, we pride ourselves that we would have a pretty full showcase.

EVERYWHERE IT'S

MONO

CONTAINERS

MONO CONTAINERS LTD., PARK ROYAL,
LONDON WILLESDEN 0900 (5 LINES)

Over 244 MILLION Advertisements booked to appear in the Press

Commencing October 2nd, large-space advertisements for 'Alka-Seltzer' Brand Tablets will appear continuously in all leading National Daily, Sunday and Weekly papers. Up to the end of this year the colossal total of over 244 million advertisements are already booked to appear. This great press campaign is in addition to the regular Radio Advertising from both Luxembourg and Normandy which will, of course, continue.

Brisk sales for this wonderful line are certain to result in all districts. 'Alka-Seltzer' combines for the first time in pharmaceutical practice Sodium Bicarbonate, Citric Acid and Acetyl-Salicylic Acid in an easily soluble effervescent tablet. Dropped into a glass of water an 'Alka-Seltzer' Tablet makes a pleasant sparkling drink which instantly relieves Indigestion, Neuralgia, Rheumatic Pains, Headaches, etc., and definitely counteracts excess Acidity. It is not a laxative or an ordinary saline.

Where the Advertisements will appear

The papers which will carry 'Alka-Seltzer' adverts regularly include: DAILY EXPRESS, DAILY HERALD, DAILY MAIL, DAILY MIRROR, DAILY SKETCH, DAILY TELEGRAPH, NEWS CHRONICLE, SUNDAY DISPATCH, SUNDAY EXPRESS, EMPIRE NEWS, SUNDAY CHRONICLE, RADIO TIMES, JOHN BULL, and many leading provincial dailies and weeklies. Specimen advertisements (greatly reduced) are shown on the left.

Reap the full benefit of this extensive advertising campaign. Display 'Alka-Seltzer' on your counter and in your window.

Sole Distributors:
DON S. MOMAND LTD., 10/15 Chitty Street, London, W.1

Alka-Seltzer

BRAND

Effervescent, Alkalizing and Analgesic Tablets



This new, sparkling pleasant tasting drink will end INDIGESTION
Wind, Heartburn and all the ill effects of Acid Stomach

Speedway Racing plays 'Old Harry' with the Digestion

End Acidity the modern Nightmare
— in this new pleasant way!
Indigestion, Headache, Rheumatic Pains, Colds are all products of Excess Acidity!—New sparkling drink brings amazing results to life-long sufferers

They aren't have INDIGESTION

25 Million victims of INDIGESTION found relief last year in this new way...

Ever wake up feeling like this?

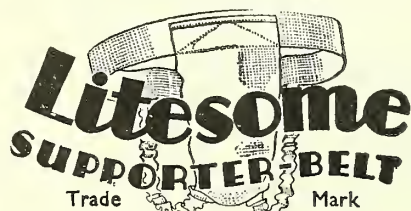
Alka-Seltzer



PARKE DAVIS & CO.

*tender their thanks
to the many chemists
who visited their*

*Stand at this year's Chemists' Exhibition,
and wish to express their sincere appreciation of
the willing co-operation which has, for so
long, been given to them
by the pharmaceutical profession
throughout the country.*



FOR DAILY WEAR BY EVERY MAN

NATIONAL WINDOW DRESSING COMPETITION

*Supported by intensive
national advertising campaign*

BIG CASH PRIZES

**Free Display Material
Simple Conditions**

Ask your wholesaler or write for particulars to :

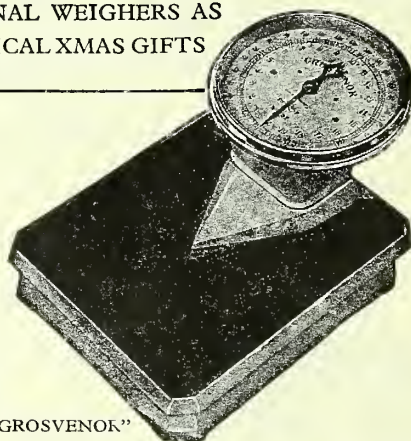
FRED HURTLEY LTD.

HEALTH APPLIANCE DEPT.

Victoria Park Mills, KEIGHLEY

Display these **SALTER**

PERSONAL WEIGHERS AS
PRACTICAL XMAS GIFTS



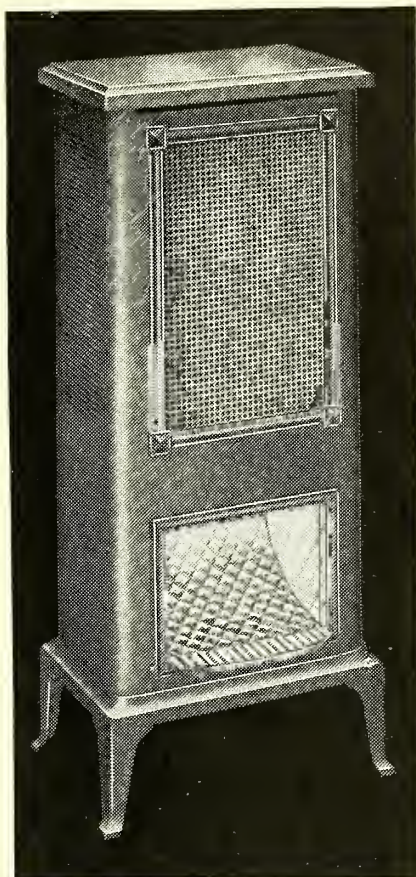
THE "GROSVENOR"

SELL with confidence a machine made in England by a firm whose reliability has been unquestioned for 176 years. There are several models and helpful window displays. Send for further details.

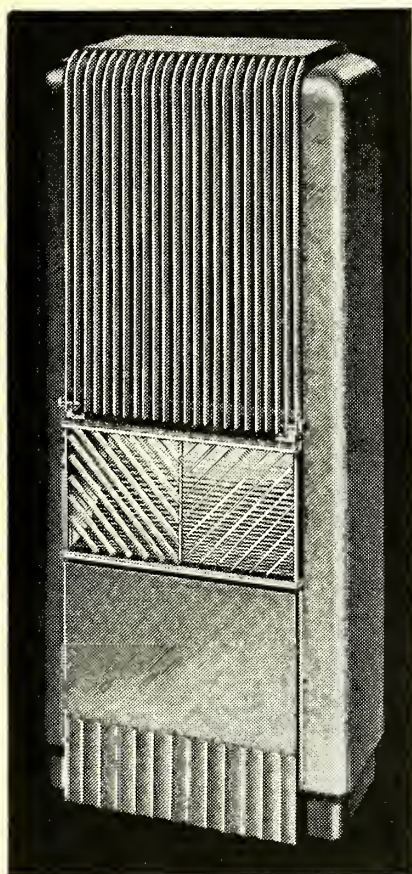
GEO. SALTER & CO. LTD.
DEPT. (C.4) WEST BROMWICH

MODERN GAS HEATING

The "Console" Cabinet Radiator is another design constructed to give maximum heating efficiency and the diffusion of a soft pleasant warmth. The attractive lines of the "Console" together with the wide choice of finishes make it a particularly suitable heater for warming shops, showrooms, stockrooms, etc. The "Console" is made in six sizes, giving a choice of three heights and two widths.



THE 'CONSOLE' RADIATOR



THE 'LUMA' GAS HEATER

The "Luma" Heater is an outstanding development in heating by gas. The advantages of radiant and convected heating are combined in this appliance. A predetermined proportion of the heat is given out as radiation, and the atmosphere of the room is quickly brought to a comfortable temperature by the stream of warm air drawn through the body of the heater.

This heater gives 100% efficiency, and even when connected to a flue the efficiency is 80%—a truly remarkable achievement in gas appliance designing.

The "Luma" casing has been constructed on such a principle that the exterior is cool, thus permitting the heater to stand against a panelled or painted wall.

The "Luma" Gas Heater is designed on unique lines and will suit any and every position. Four attractive colour finishes afford a choice to harmonise with any scheme of decoration.

JOHN WRIGHT & CO. LTD. (Dept. CD) BIRMINGHAM, 6
MAKERS OF GAS RADIATORS

Radiation



ESTABLISHED
1904

Specialists
in the manufacture
of
Tablets
and
Pills

Over 30 years of Specialised
Manufacturing Experience
assure you of

QUALITY and ACCURACY

Our PRICES are COMPETITIVE

"Own Brand" printing for packed lines if required

THREE PROFITABLE WINTER LINES

HALIBUT LIVER OIL TABLETS containing $1\frac{1}{2}$ minims of standardised oil.

PARALACT BRAND CHILBLAIN TABLETS—The scientific cure.

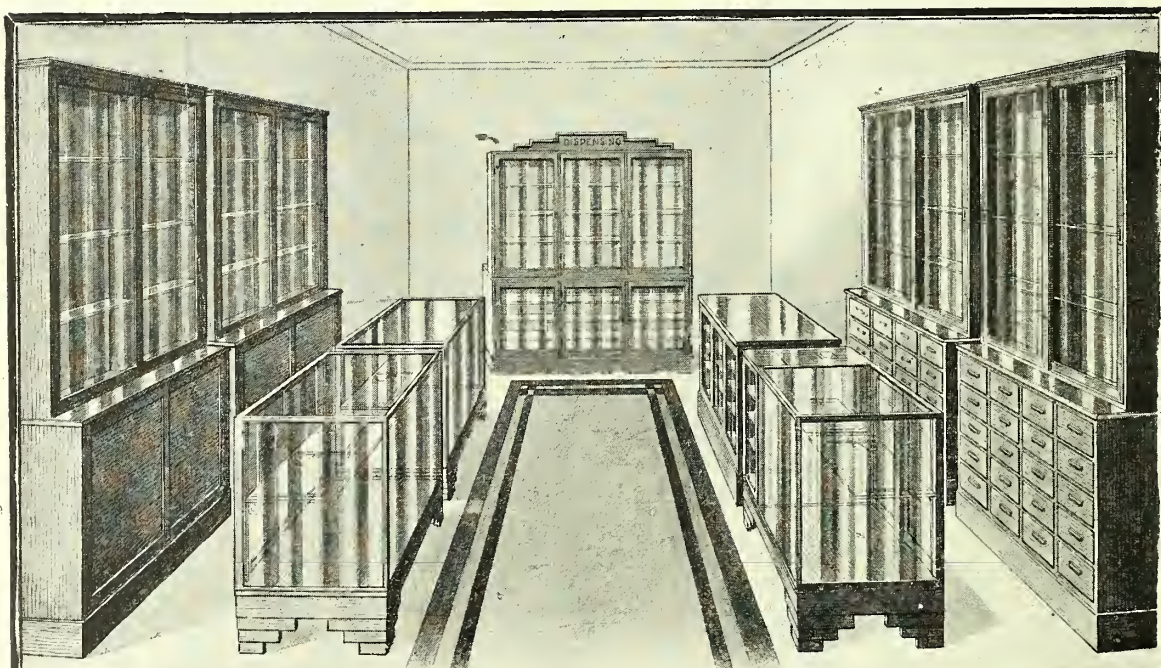
EFFERVESPRIN BRAND Soluble Effervescent Aspirin Tablets—an effective remedy for Colds, Headaches, Rheumatism, etc.

Full particulars and free sample on request

The
Cooper Laboratory
Watford

Telephone :
3612

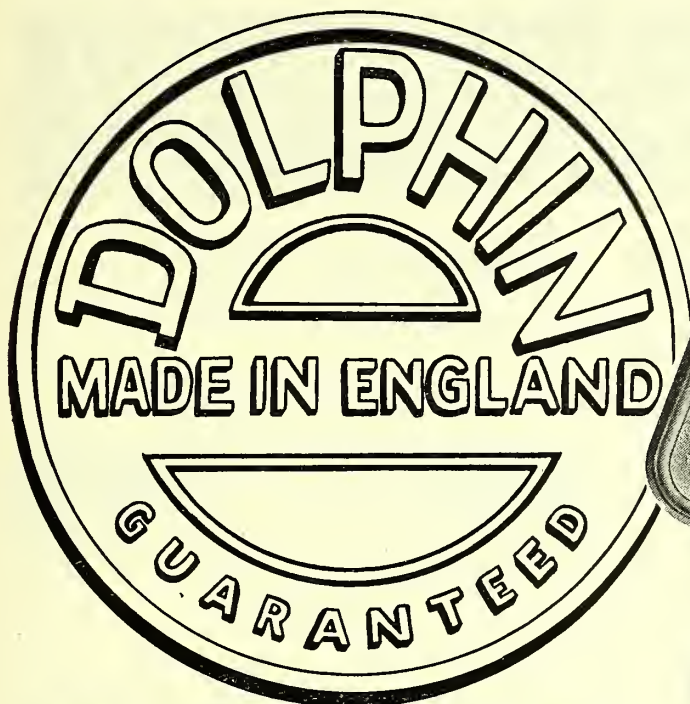
Telegrams :
"Science"



Your Shop can look like this — imagine this handsome set of Fixtures and Counters in your premises and remember they can be had for **£131.0.0**

Owing to the increased cost of raw materials we are reluctantly compelled to charge an increase of 5% on our prices. Supplied immediately on deferred payments involving a small initial payment. Let us send you our Catalogue No. C.D. 1740

DUDLEY & COMPANY, LIMITED, 451-3 Holloway Rd., London, N.7 City Showrooms: 65 Finsbury Street, E.C.



HOT WATER BOTTLES

Obtainable from your Wholesalers

THE CANNON RUBBER MANUFACTURERS LTD.
CANNON WORKS: 5a WELBOURNE RD., TOTTENHAM, N.17

"HERNICURA" TRUSSES

(REGISTERED NO. 254807)

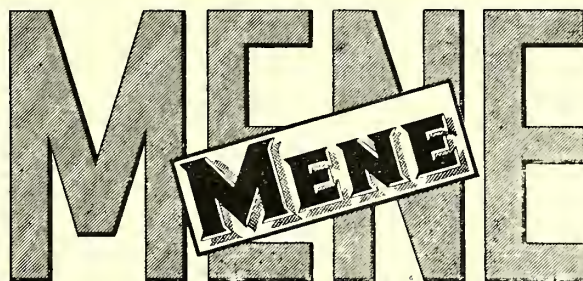
AND SURGICAL APPLIANCES

WE ARE SOLE PROPRIETORS
(Infringers will be prosecuted)
WILL BUILD UP YOUR TRUSS TRADE
DISTRICT SOLE RIGHTS GIVEN

Send for Illustrated Wholesale Price List

JEFFERSON & SON

"HERNICURA" TRUSS AND SURGICAL APPLIANCE SERVICE
ETON RD., WOOLWICH, LONDON S.E.18 PHONE: WOOLWICH 0607



SANITARY TOWELS FOR BRISK BUSINESS

Obtainable from your usual wholesaler.

ROBINSON & SONS, Ltd., CHESTERFIELD & 168 Old Street LONDON, E.C.1

Hospitals cure by **Thermo-Penetration:-**

'DUO-RAY'

Perfectly Safe
28000
in Daily use

Infra-Red Ray Apparatus

As supplied to:-
London Hospital,
King's Coll. "
Guy's "
Royal Free "
St Mary's "
London County Council,
British Red Cross,
Admiralty,
War Office,
Crown Agents, etc.

Manufactured by
F.W. Read & Sons, Ltd.
Telephone: TERNminus, 4074.

**RHEUMATISM, NEURITIS,
LUMBAGO, SCIATICA,
VARICOSE ULCERS &
ALL CONDITIONS
OF PAIN.**

Send for Catalogue
No 106

Price:
95/6
complete

13 Models

175-9,
Gray's Inn Road,
London, W.C.1.

Glass Bottles for TOILET & PERFUMERY

Distinctive Bottles
Promote Sales

Pendred & Heim, 40 Trinity Sq., E.C.3

TELEPHONE: ROYAL 3659-4042

FULL-TIME COURSES will
commence on Oct. 6th

**Preliminary Scientific
Chemist & Druggist
Qualifying**

LONDON COLLEGE of Pharmacy

Founded by H. WOOTTON, B.Sc. C. W. GOSLING, Ph.C.
Principal—IRVINE RANKIN, B.Sc., Ph.C.

SPECIALISTS in TRAINING PHARMACISTS

Apply for Prospectus to—

361 CLAPHAM ROAD, S.W.9

Telephone:
Brixton 2161

**"Essentials of
Pharmacy"**

New Edition
6/6 post free

Eau de Cologne . . . Lavender Water

ALL TOILET PREPARATIONS

Low, Son & Haydon, Limited

5 GT. QUEEN ST., LONDON, W.C.2

COURT

TELEPHONE: HOLBORN 4007

EST. 1790

PERFUMERS

MAKERS OF SOUPLEX LTD BEETLEWARE

London Office:
Finsbury Court,
Finsbury Pavement,
E.C.2

Sheffield Office:
87 Fargate

MORECAMBE
LANCS

DERRIS & PYRETHRUM PRODUCTS

The most efficient insecticides for all
agricultural and horticultural pests

KONTAX Pyrethrum-Derris Extract

NOVO-TOX. The universal insecticide for all purposes

Manufactured by **CHEMICA-INSTITUTE, BERLIN**

Prices and samples from Sole Agents:

DRAKE & DAHM, 22 Bartlett's Buildings, LONDON, E.C.4

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes

GUARANTEED ABSOLUTELY PURE

MIDGLEY & PARKINSON, LTD.

Warren Works, Pudsey, LEEDS

THOMAS & LINTON, LTD.

4 GRAY'S INN ROAD, LONDON, W.C.1

Telephone: Holborn 5518

Everhot Bags,

Canda Products, Iodotabs, Ephedrol,

Litesome Belts.

Deliveries from London Stock

HIGHLY PROFITABLE

Is "Plastrodine" prominently displayed on your counter? If not you are missing the business which constant advertising to the public is creating. "Plastrodine" is the modern form of Iodine. On attractive display cards from your wholesaler.

Safety First

PLASTRODINE

First Aid

IODINE LIQUID PLASTER

Made by:
DUKE PHARMACEUTICAL CO., Duke St., Liverpool

ALL CHEMISTS SHOULD STOCK

ABDINE

THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits. Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale Houses. Attractive Display Material constantly available.

DUNCAN McGLASHAN LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

PHARMACEUTICAL MACHINERY

OF ALL KINDS

Pill and Tablet Machines; Compact Powder Presses (hand); Suppository and Lipstick Moulds of all kinds; Sifters and Mixers; Tincture Presses, Perculators, End Runner Mills, Ball Mills, Emulsifiers, etc.

J. W. PINDAR & CO.

DRAKEFELL RD., ENDWELL RD., BROCKLEY, LONDON, S.E.4

CONTRACEPTIVES

We have been supplying Contraceptives of all kinds now for over 30 years and our well-known **Safeguard & Empire** Brands are still as popular as ever. **THESE FACTS SPEAK FOR THEMSELVES** and prove the confidence we have secured which is the fundamental principle in selling these goods.

All our Brands are guaranteed to be of the finest manufacture.

Write for complete Price List and Samples.

BURGE, WARREN & RIDGLEY, Ltd.

91-92 Great Saffron Hill, London, E.C.1

OPTICAL TUITION

FOR THE

S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

Particulars:—

C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.E.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

F. MAUND & E. BERG (SHOWCASES) Ltd.

SHOPFITTERS & SHOPFRONT BUILDERS

175/9 OLD STREET, LONDON, E.C.1

Telephone: Clerkenwell 1782/3

are offering for sale, at competitive prices, an extensive and exceptionally full range of Chemist's Fittings, Second-hand and New.

BOOKS MEDICAL, PHARMACEUTICAL, OPTICAL & GENERAL SCIENTIFIC

Also Botanical Specimens, Micro-Slides, second-hand and new, for sale or on loan. Write for catalogue and quotation specifying requirements to

JOHN GOWER, Bookseller, 190 Clapham Rd., London, S.W.9
(near Stockwell Tube Station)

BROOKLAX

NATIONAL WINDOW

DISPLAY CONTEST

November 1st to 13th, 1937

*Many Valuable Cash Prizes and Gifts to be Won
And Special Brooklax Bonus Offer*

CLOSING DATE FOR ENTRIES
OCTOBER 11th

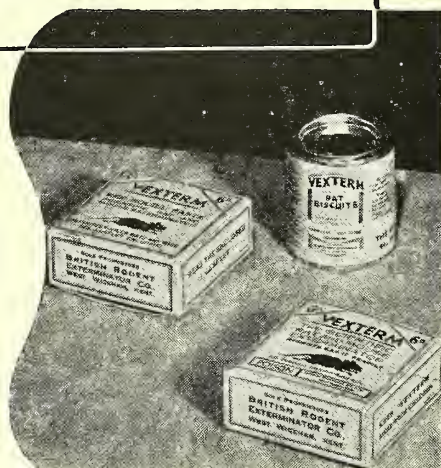
Details of the BROOKLAX National Window Display Contest will be in your hands early next week. If you do not receive these details please write to Westminster Laboratories, Ltd., 4-12 Palmer Street, Westminster, London, S.W.1

BROOKLAX
NEVER LETS CHEMISTS DOWN

BIGGER PROFITS

FROM
'VEXTERM' PRODUCTS!

THE MOST
EFFECTIVE OF
ALL RODENT
EXTERMINATORS



NATIONAL RAT WEEK — NOV. 1 - 6

"Vexterm" is a rat and mouse exterminator—in a form which they take readily, making it the finest exterminator on the market—and the safest because the Rodents seek fresh air to die. "VEXTERM" Red Squill Paste and Biscuits are harmless to birds, cats, dogs, etc. For these reasons "VEXTERM" sells easily and quickly. The handsome margin of profit makes it a line well worth handling.

AVAILABLE in 3 FORMS!

"VEXTERM" PHOSPHORUS In tins for general use. Saleable only to, and by Qualified Chemists.

Retail Price ... 6d. 10½d. 1/6 2/6

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In bulk for large users, prices on application.

"VEXTERM" SAFE READY BAITED BISCUITS

A new idea—handy and effective. For home and for use where there are domestic animals and poultry. In tins.

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"VEXTERM" RED SQUILL PASTE For same purpose as above. In tins 6d., 10½d., 1/6, 2/6 Price to Stockists 4/-, 6/9, 10/-, 18/-

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Available for one month. To introduce "VEXTERM" products to the Retailer—all first orders will be despatched 14 tins for every dozen ordered. Send the order form below with your order now as this offer is limited to 28 days—or for full details and Trade Terms.

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BRITISH RODENT EXTERMINATOR CO., West Wickham, Kent.

Please send me:—

(1) "VEXTERM" PASTE in Tins size 6d., 10½d., 1/6, 2/6

(2) "VEXTERM" BISCUITS in Tins size 6d., 10½d., 1/6, 2/6

(3) "VEXTERM" RED SQUILL PASTE in Tins size 6d., 10½d., 1/6, 2/6

(Fill in quantity in space indicated)

(4) Show matter, Dummies and Leaflets.

(5) A sample of

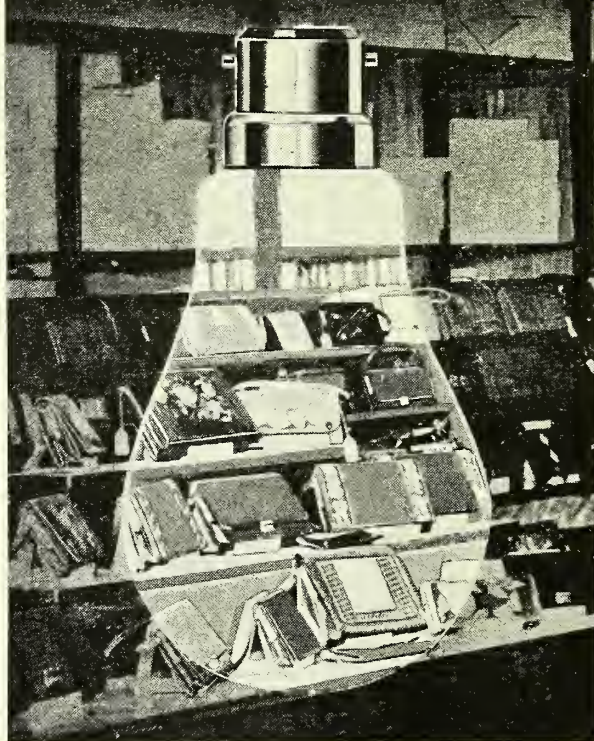
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Good light does this



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Submit your lighting problems to us.
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PUNCHES & DIES

Punches and Dies are the heart of a Tablet Machine. Without good tools the best machine is useless. We specialise in the manufacture of Punches and Dies for MANESTY and all other makes of Tablet Machines. We make Punches and Dies in special alloy steels, phosphor bronze or other special alloy to suit particular requirements, and are always willing to advise on the correct metal for any specific purpose.

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ENSURE GOOD LIGHTING *by using*

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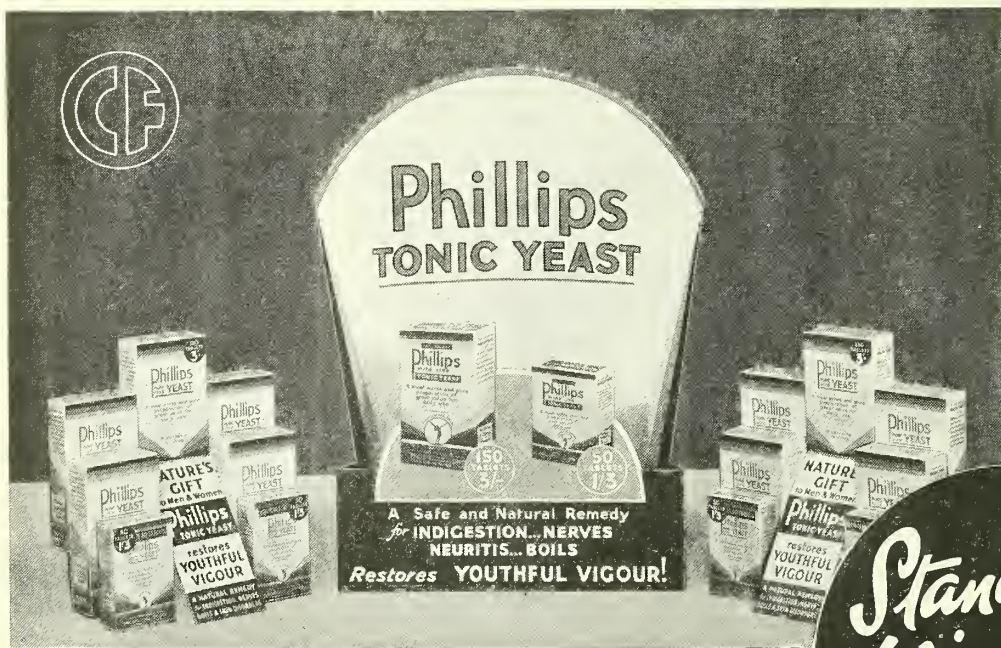
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LAMP LIST N°952F, & SHOP WINDOW EQUIPMENT N°471 SENT FREE ON REQUEST

Advt of SIEMENS ELECTRIC LAMPS AND SUPPLIES LIMITED. 38/39, Upper Thames Street, London. E. C. 4.

PHILLIPS TONIC YEAST



We thank our many friends in the trade for their whole-hearted and practical co-operation, and for their recognition of PHILLIPS TONIC YEAST as a genuine product which can be recommended with absolute confidence.

Our NEW Standard Window Display (illustrated above) was planned in accordance with suggestions received from Pharmacists, and we are confident therefore of its effective display value.

These attractive displays are available to all qualified Chemists—so kindly send us a postcard, stating how many sets you require.

RADIO AND NATIONAL PRESS ADVERTISING . . .

Our Radio Programmes, compered by the ever popular Christopher Stone, are now the feature of Sunday broadcasts from Radio Luxemburg. Our Advertising in the NATIONAL PRESS during the winter months will be consistent and extensive. We are sure this campaign, combined with your continued good-will, is the best way to convert an increasing demand into immediate and profitable sales.

SPECIAL BONUS TERMS for Direct Orders

(P.A.T.A.)

10% discount on orders value £2.10.0 or over, in consideration of 14 days' WINDOW DISPLAY

Orders can be made up in any quantities of Granules or Tablets to suit your requirements and are delivered carriage paid to your address. Terms, less 2½% discount for payment C.O.D. or cash with order, otherwise strictly Nett Monthly or Journey Account. Invoiced direct or through your wholesaler as desired.

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*Liquid Extracts · Tinctures · Infusions
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Pharmaceutical preparations*

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'Grams : "Horsehound, Phone, London." 60-64 ARTILLERY LANE, LONDON, E.1 'Phone : BISHopsgate 4761 (6 lines)

'Grams : "Horsehound Manchester." and at 77 DANTZIC STREET, MANCHESTER, 4 'Phone : BLAckfriars 8734

15% CASH BONUS

on all orders for one dozen and over during October

Take advantage of this special offer, which closes on OCTOBER 31st, and reap the benefit of the latest addition to iodine therapy at a popular price.

IODOTAB compound iodine Tablets are of great value in the treatment of rheumatism, gout, lumbago, etc. The iodine in IODOTAB is combined with milk powder and is readily tolerated.

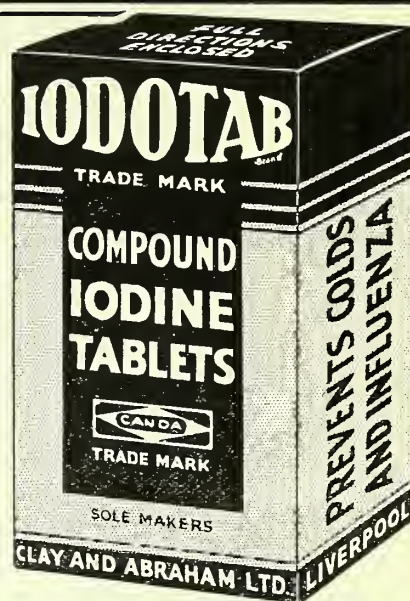
IODOTAB compound iodine Tablets taken regularly will prevent colds and influenza.

At the present time the public are definitely "iodine minded" and a display outer of IODOTAB tells customers of this new and valuable product. It takes up little counter space, and the striking three-colour pack arrests attention.



Retail Price 1/-

In cartons and display outer of attractive design



IODOTAB

TRADE MARK

COMPOUND IODINE TABLETS

TRADE PRICE: 8/- per dozen.

7/9 per doz. in lots of 3 doz.

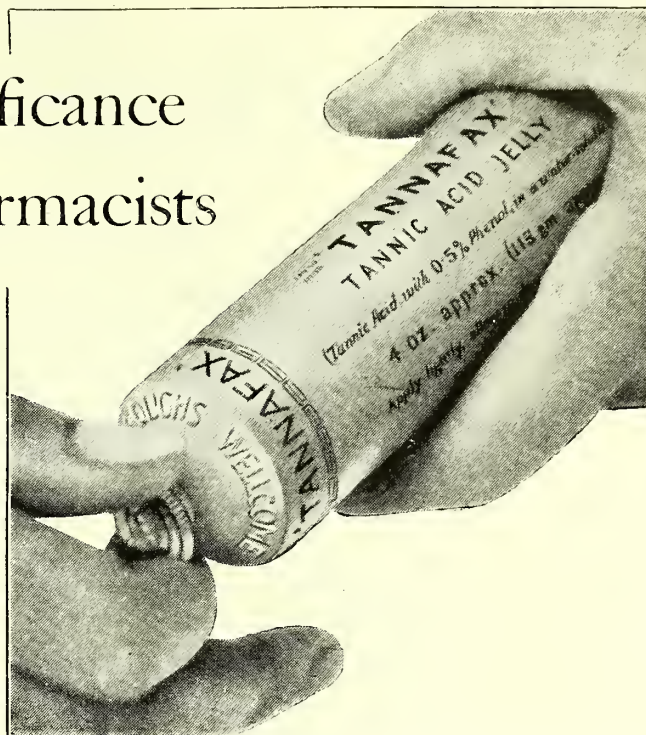
3-colour Showcard and Leaflets with orders of 1 dozen. Carriage paid on 3 dozen.

Less a Special Discount of 15% if ordered before October 31st.

Manufactured only by **CLAY & ABRAHAM, Ltd.**, Liverpool, makers of the original iodine "Pen" (Brand), and can be obtained from your usual wholesaler. Also from **Thomas & Linton, Ltd.**, 4 Gray's Inn Road, London, W.C. Sole Export Agents (except for Australia and New Zealand) : **Messrs. Wm. Alfred Jones, Ltd.**, Maryland Street, Liverpool

Points of significance for retail Pharmacists

- ★ Burroughs Wellcome & Co. tube products, in original cartons, reach the purchaser in a condition as active as the day they were packed.
- ★ Tube packings safeguard the interests of the pharmacist by minimising losses due to contamination.
- ★ The customer is completely satisfied.



TRADE MARK **'TANNAFAX'** BRAND TANNIC ACID JELLY

(Tannic Acid, with 0.5 per cent. Phenol, in a water-soluble base)

The most practical presentation of tannic acid. Tubes of 20 gm. ($3\frac{1}{4}$ oz. approx.).
Requires no preliminary preparation. Non- 8/- per doz.
greasy, non-oily. Tubes of 4 oz. (113 gm. approx.).
24/6 per doz.

'MENTHOFAX'

Trade Mark

Brand

COMPOUND METHYL SALICYLATE
OINTMENT

Contains Methyl Salicylate, 50 per cent.; Menthol, 10 per cent.;
Eucalyptol, 2.5 per cent.; Oil of Cajuput, 2.5 per cent.;
White Beeswax, 20 per cent.; and Hydrous Wool Fat, 15
per cent.

Ideal for sportsmen and sportswomen.

13/6 per doz. tubes

'WELLCOME'

Trade Mark

Brand

**TOILET
LANOLINE**

Creamy consistency and delicate
fragrance charm the most critical
customers.

7/6 and 15/- per doz. tubes

London Prices to the Trade (subject)



BURROUGHS WELLCOME & CO., LONDON

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RADIO-MALT
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Workers need it

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Children thrive on it

APPEALING NEW SHOWCARD

NOW is the time to display
Radio-Malt

This attractive new showcard (R.M.30)
will help you to make sales of this
profitable product. One will be
sent to any Pharmacist on request.

RADIO-MALT



A product of THE BRITISH DRUG HOUSES LTD., LONDON, N.I.



The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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News of the Week

Cargo War Risk Insurance

It is reported that new rules restricting war risk insurance on cargo to the period while goods are on board ship and eliminating risk on shore were approved in principle by the International Marine Insurance Union whose conference concluded this week. These new policy conditions are shortly to be enforced by Lloyd's and English marine insurance companies.

Proprietary Articles Trade Association

We have been advised of the following additions to and alterations in the Protected List of the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1. The retail and wholesale prices quoted are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A.:—

Additions.—British Cod Liver Oil Producers (Hull), Ltd.:—Seven Seas brand cod-liver oil, standard 4 oz., 10d., 6s. 8d. dozen; standard 8 oz., 1s. 3d., 10s. dozen; high-potency, 1 oz., 1s. 3d., 10s. dozen; high-potency capsules, 25's, 1s. 6d., 12s. dozen; 50's, 2s. 9d., 22s. dozen; 100's, 5s., 40s. dozen. Special bonus parcels "A," "B" and "C" to retail value of 50s. 6d.; 41s. 6d. and 30s. respectively. S. Sigal & Co., Ltd.:—No. 1001, Galjado scurf and dandruff lotion, 1s. 6d., 10s. 6d. dozen; No. 1002, 2s. 6d., 18s. dozen. Henry C. Miner, Ltd.:—Liquid make-up, 6d., 52s. gross; 1s. 3d., 120s. gross; Blemi-stik, 6d., 54s. gross; 1s. 6d., 144s. gross. Quantity terms as for Outdoor Girl products.

Alterations.—Cow & Gate, Ltd., Full-cream food, 1s. 7d. size, 15s. 3d. dozen; £6 value, 14s. 9½d. dozen; £12 value, 14s. 3d. dozen. Full-cream food, 3s. size, 28s. 9½d. dozen; £6 value, 28s. 1d. dozen; £12 value, 27s. 3d. dozen. Full-cream food, 4s. 10d. size, 46s. 4½d. dozen; £6 value, 45s. 2½d. dozen; £12 value, 44s. 0½d. Full-cream food, 8s. 3d. size, 79s. 2d. dozen; £6 value, 77s. 3d. dozen; £12 value, 75s. 2½d. dozen. Half-cream food, 2s. 9d. size, 25s. 11½d. dozen; £6 value, 25s. 8½d. dozen; £12 value, 25s. 0½d. dozen. Half-cream food, 7s. 3d. size, 68s. 9d. dozen; £6 value, 66s. 10½d. dozen; £12 value, 65s. 3d. dozen. Evans Sons Lescher & Webb, Ltd., Glow-well liniment, 1s. 3d., 9s. dozen; three dozen, 13 to dozen. J. G. Ingram & Son, Ltd., Maville hot-water bottle, 6s., 4s. 3d. each.

Works Removal

The new works of Manesty Machines, Ltd., and Thompson & Capper Wholesale, Ltd., were opened on September 29 by the Lord Mayor of Liverpool. After the opening ceremony the guests were conducted round the works and were entertained to luncheon by the governing director, Alderman Edwin Thompson. In a subsequent speech Alderman Thompson said they had had to remove to Speke because of the need for expansion. His firm had had to make their own machines

because of the lack in Liverpool and the North generally of the very fine precision engineering they required. In addition to tablet making they also manufactured synthetic resins in tablet form for moulding. The factory had been designed by Alderman A. E. Shennan; 99 per cent. of the work had been done by Liverpool firms, and everything was British. The Lord Mayor, who received from Alderman Thompson a barograph as a souvenir of the occasion, commended the factory and hoped it would encourage many other manufacturers.

Incorporation of Bebington

Bebington, which, on September 28, received its charter of incorporation from the Lord-Lieutenant of Cheshire (Brigadier-General Sir William Bromley-Davenport), has an interest for the drug and chemical industries by reason of the large-scale manufactures carried on within its area (especially those of and those associated with Lever Brothers, Ltd.), and also because of the recent visit of members of the British Pharmaceutical Conference to Port Sunlight and their reception by Viscount Leverhulme, who is Charter Mayor of the new borough. The inaugural ceremony was attended by the Lord Mayor of Liverpool and the mayors of several neighbouring towns. It is estimated that the population of Bebington is at present about 40,000. A handsome brochure of forty-eight pages has been issued in commemoration of the occasion, and among its illustrations is shown the Mayor's chain presented by Viscount Leverhulme.

Commercial Photography

The annual trade show of the Professional Photographers' Association, under the title "Photography in Commerce and Industry," occupied the Royal Institute (Princes) Galleries, Piccadilly, London, W.1, from September 17-29. A lay visitor might be pardoned the impression that the promoters were under an unsurmountable handicap, since the exhibition may be regarded as a photographic counterpart of the Royal Academy, or as a means of furthering the employment of photography in advertising and commerce, or as a guide to the choice of a suitable commercial photographer. In the first capacity the exhibition was in competition with other shows (notably the Salon and Royal Photographic Society's exhibitions) running concurrently. As an advertisement for commercial photography, the exhibition was chiefly interesting for its start-to-finish exhibits of photographs conceived and executed as part of a larger advertisement unit; for the cine films projected on request (including an x-ray film of a rat showing the process of mastication over a period of four hours); and for a small collection of photo posters (including

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a design for a hypothetical malt product. As a guide for selectors, the exhibition was well arranged, and the style of each worker was admirably brought out in his or her group of specimens. Outstanding among the architectural specimens were those of STEWART BALE, Liverpool, each a masterpiece of composition. Some heads by R. N. HAILE, Bognor, were arresting among a wealth of portrait and figure photographs; there was a poster-quality in his work which may create a fashion. A topical subject, cleverly treated by STUDIO SUN, was of two school children in gas masks. STUDIO BRIGGS, JOHN SWAIN & SON, LTD., and CARLTON STUDIO were among well-known advertising photographers exhibiting. There was a strong colour section, in which every retailer would be attracted to "The Retailer's Friend" (a cash register), a direct colour photograph by S. SIMONS. Finally, the centre display, "This Wonderful London," merits mention. This amounted to an aerial map of central London, accompanied by typical London characters, photographed and put together by AEROFILMS, LTD.

Grocery Exhibition

The forty-first International Exhibition and Market of the grocery and allied trades was held at the Agricultural Hall, London, N.1, on September 18-24 inclusive. One difference between a grocers' exhibition and a chemists' is suggested by the fact that one of the stands attracting more than average attention when we visited this Exhibition was in the form of a pen containing a sow and several young pigs. Among the exhibitors known to our readers were W. & T. AVERY, LTD. (scales); JACK L. BARNETT, LTD. (bottles); BEAUFOY'S WINES, LTD.; BURROUGHS ADDING MACHINE, LTD.; COW & GATE, LTD.; JOSEPH CROSFIELD & SONS, LTD.; EVANS SONS LESCHER & WEBB, LTD. (Liverpool virus); WILLIAM GARDNER & SONS (GLOUCESTER), LTD. (grinding, sifting and drying machinery); IMPERIAL CHEMICAL INDUSTRIES, LTD.; JEVES' SANITARY COMPOUNDS CO., LTD.; NATIONAL CASH REGISTER CO., LTD.; NIL-MIST MANUFACTURING CO. (foot salve); L. ROSE & CO., LTD. (cordials); UNIVERSAL PUBLICITY AGENCIES (cards, printing sets).

Sessional Events

A meeting of the Wimbledon and District Pharmacists' Association and branches was held at the Wimbledon Town Hall on September 21. Mr. C. J. R. Pretty in the chair. Rules for the Association, Society Branch, N.P.U. Branch and P.D.A. Branch were approved. The president and secretary gave a report of the Liverpool Conference.

In connexion with the Chemists' Friends scheme the Leeds Branch of the National Pharmaceutical Union has completed a window-display competition of T.C.P. products. The following prizes have been awarded:—First prize (£2 2s.), Mr. A. Smith, 63 Wellington Road; Second prize (£1 15s.), divided between Mr. Gatehouse, 141 Beeston Road, and Mr. J. F. Usher, 26 Otley Road, Guiseley. The next simultaneous display will commence on October 11.

A meeting of the Anglesy, North Carnarvonshire and Colwyn Bay Branch of the National Pharmaceutical Union was held at Conway on September 22, the chairman (Mr. H. Rogers Jones) presiding. The meeting considered a resolution from the Nottingham branch urging the removal of the discounting clause from the N.H.I. contracts. It was resolved to support the resolution, and also (1) to request the N.P.U. Executive to call an emergency conference of branch representatives to be held before the N.P.U. negotiate a new contract, so that the views of the contracting pharmacist might be obtained; and (2) to ask each N.H.I. contractor in the area to send a card to the N.P.U. pointing out the unfairness of the discounting clause and urging its removal. The new conditions and rules for N.P.U. branches were submitted and adopted.

Bradford

A meeting of Bradford and district Branch of the National Pharmaceutical Union took place on September 23, Mr. W. W. Hudson presiding. The chairman reported a communication from N.P.U. headquarters advocating the organisation of district window displays of C.F. goods in conjunction with manufacturers' advertising. The secretary (Mr. S. H. Bolton) submitted a letter from Leeds Branch mentioning a display of three C.F. lines they had arranged for July and their intentions to hold others. The meeting referred this matter to the C.F.

subcommittee. Mr. W. Sutcliffe said he felt the time was suitable for the N.P.U. to make another approach to manufacturers not yet on the C.F. list. It was evident from the attitude of travellers that the manufacturing trade was becoming more and more impressed with the importance of the C.F. scheme and its actual or potential effects on their own preparations. While aiming to restrict sales to chemists only, said Mr. Sutcliffe, the scheme did not at all necessarily mean restriction of total sales. He contended that the public would go for well-advertised or other desired lines to whatever shops had them in stock, and if the stock was only in chemists' shops the public would buy no less than if the distribution was through every kind of shop. The added enthusiasm of chemists should, indeed, help very substantially to increase sales. Manufacturers would not take any action in this matter unless they were convinced that chemists really meant business, and it was up to the chemists to convince them of this. Mr. Sutcliffe's own idea was that certain selected manufacturers of the bigger type should be approached individually in the hope that they might give a lead to others to follow. Mr. Sullivan said he understood some further approach to the manufacturing trade was in contemplation by headquarters, but they must not go "cap in hand" begging anybody to come in. The benefits of this scheme were for manufacturers and chemists alike. The meeting authorised the secretary to approach certain manufacturing houses direct from Bradford Branch, pointing out the valuable practical help to be secured from the chemists against competing lines. It was agreed to inform headquarters so that other branches might take similar action. Discussion arose on a complaint against the varying practice among chemists in dispensing malt and oil under N.H.I., some in cartons and some in glass jars. The public preferred the jars, but that involved an expense which the chemist had no authority to recover. It was suggested that N.P.U. headquarters be asked to invite the Ministry of Health to issue an instruction either for all malt and oil to be in cartons or to authorise a "bottle charge" on glass jars when used. Eventually, however, the meeting took no action, it being remarked that the Ministry might object.

Exeter

Mr. Philip F. Rowsell presided at a meeting of the Exeter and District Branch of the Pharmaceutical Society held at Exeter on September 15 to receive reports from the representatives who attended the Liverpool meeting of the British Pharmaceutical Conference. Mr. Battershill commented on the good feeling which prevailed at the representatives' meetings, but considered that at such a gathering more time should have been allotted to the discussion of business problems and policies. He urged that branches should keep the Conference more in mind throughout the year with the idea of sending up suitable resolutions, and he sought to persuade the average pharmacist more generally to attend the Conference. Mr. Arnold dealt informatively with the course of the discussions, remarking, however, that controversial points seemed cleverly shelved by reference to what had been dubbed the "Organisation Committee Plus." Mr. H. Wippell Gadd proposed a vote of thanks to the representatives. The winter programme was discussed, and it was decided to include two lectures during October on "Air-Raid Precautions as Affecting Pharmacists," to be given by Commander E. D. Marston, the Devon county organiser. Mr. H. W. Greenwood, of Bideford, was congratulated on his approaching mayoralty.

London

The South-West London Chemists' Association hopes to hold a course of eight weekly lectures on air-raid precautions at Stannary Street (near "The Horns"), Kennington, S.E.11, commencing October 11, at 9 p.m. The fee for the course will be 2s. 6d.; examination fee, 1s.; text-books, 8d. Those intending to take the course are asked to communicate with the general secretary or Mr. H. R. Edgecombe, 77 Atlantic Road, S.W.9.

The London Chemists' Golfing Society met at Hartsbourne Manor on September 16, when two competitions were held, a stroke competition for the Mentholatum cup and a bogey competition for the Jubilee vase. Entry fees for the latter, amounting to £3 5s., were sent as a donation to the Benevolent Fund. Late arrivals had to play through torrential rain, but scoring was good. F. E. Roberts (handicap 15) returned 69 (bogey 75). The winner of the Jubilee vase was Mr. H. W.

Bartlett with a return of "all square," the issue having to be decided on the last nine holes. Other scores were:—

R. Collings, 73 (all square) C. H. Maile, 75 (1 down)

H. Bartlett, 74 (all square) J. Quibell, 77 (3 down).

The first International Exhibition of Modern Packaging was opened at the Reimann School, Regency Street, London, S.W.1, on September 27. It will remain open until October 10. Organised by "Shelf Appeal," in conjunction with four leading advertising agencies, the exhibition includes winning entries in the contest recently organised by "Shelf Appeal" (*C. & D.*, September 4, p. 283), together with outstanding examples from the United States, Canada, Australia, South Africa, India and seventeen European countries. British packages are, of course, in the majority. Classification is by trade groups (cosmetics and toilet goods, medicinal products, foods, etc.), and the organisers are to be congratulated on an arrangement which permits each item to be readily examined. In a collection of "ancient" packs is included an Alexandra feeding bottle for infants, as supplied to her late Majesty Queen Alexandra when Princess of Wales, and as "sold by all respectable chemists." Some outstanding examples of drug trade and perfumery packs from overseas are shown on p. 386.

Middlesbrough

A meeting of the Middlesbrough and District Pharmacists' Association was held in Middlesbrough on September 23, Mr. C. H. Thompson presiding. Mr. P. Gillespie was elected *vice-President*. The following matters were discussed: (1) Section 9 (1) (b) of the Pharmacy and Poisons Act, 1933, and its interpretation by the Pharmaceutical Society's secretary at the recent British Pharmaceutical Conference, evoked much discussion; and it was decided to forward at the N.P.U. Conference a resolution bearing on this interpretation. (2) After discussion, it was decided to send a resolution to the N.P.U. Conference to the effect that when any radical change in the distributive policy of any manufacturer is contemplated, the N.P.U. should be consulted. (3) The Association viewed with concern the apparent shelving of the medicine-stamp duty question, and a resolution on the subject was forwarded to the N.P.U. Conference. (4) It was suggested that the names of wholesalers, other than those in the drug trade who are recognised for preferential terms by P.A.T.A. manufacturers and the P.A.T.A., should be published in the P.A.T.A. Year-Book; a resolution to this effect was forwarded to the N.P.U.

The following subjects were suggested for discussion at the Conference: (a) Regarding medicine-stamp duties in relation to the C.F. scheme, it was suggested that where there is a stamped and an unstamped preparation on the market, all chemists should insist on selling only the stamped variety; and thereby the success of the C.F. scheme would be speeded up. (b) The secretary of the local Association, Mr. D'Arcy Bray, read a paper entitled "Limitation of Pharmacies and two Pharmacists to each Pharmacy." Mr. Bray said that the 1933 Act practically chained the chemist to his pharmacy for something like ten or twelve hours a day; and in consequence of this the Society was deprived of the active co-operation of the majority of its members. Reference was made to the fact that to-day one seldom found a medical man running a practice single-handed; and that, with limitation, reservation of dispensing, and an extension of the present Health Insurance Act, co-partnership and shorter working hours must eventually take place in pharmacy. It is hoped that this matter will be raised at the Conference.

One member made reference to the multiplicity of trade names applied to the same substance. Why could not the actual chemical name be given to a substance, and the name of the maker be indicated where desired? This ever-increasing policy of choosing proprietary names which have no relation to the substance was confusing. Another member asked if some control and guarantee of merit was implied when asking chemists to recommend C.F. goods. A resolution from the Nottingham N.P.U. Branch, relating to N.H.I. matters, and advocating necessary action on the part of chemists, was warmly received, and co-operation at the appropriate time promised.

Newcastle-upon-Tyne

Newcastle, District and Northumberland Branch of the Pharmaceutical Society held its opening meeting of the winter session in the County Hotel, Neville Street, on September 23

The president (Mr. R. Hay) presented the Branch prizes to successful 1936-37 students at Rutherford College. The prize-winners were:—

Day course: Chemistry, Miss S. J. Webb; physics, Mr. H. Fothergill; biology, Miss E. Pawson.

Part-day-evening course: Chemistry, Mr. R. Hill; physics, Mr. J. Hume; botany, Mr. Grant.

Evening course: Chemistry, Mr. T. J. McWiggin; physics, Mr. A. R. Urwin; botany, Mr. E. Bean.

An address by Mr. Thos. S. Fenwick (Publicity Department, Tynemouth Corporation) on "Air Raid Precautions" followed. Mr. Fenwick briefly outlined the general scheme and dwelt upon the treatment of gas casualties.

Pontypridd

The annual supper of the Pontypridd and Rhondda Valley Branch of the Pharmaceutical Society was held at the New Inn Hotel, Pontypridd, on September 23, when the guest of the evening was Mr. W. S. Howells, Richmond (a member of the Council of the Pharmaceutical Society). The president (Mr. T. Ernest Jones, Pontypridd) introduced Mr. Howells as a "Welsh-speaking Welshman, a member of Council and a retail pharmacist who understood, through intimate knowledge, the troubles of to-day's retail pharmacist." Mr. Howells spoke on "Supply and Demand in Pharmacy." He traced the supply of pharmacists from the time of the old Preliminary examinations, when the Society were told that there were too many pharmacists, to the present time when the Society were being told "We cannot get apprentices." The shortage of pharmacists was now becoming noticeable, due to the decision of the Council, in 1934, to raise the standard of the Preliminary examinations. He maintained that there were at present enough pharmacists to do the work allotted to them. What was wanted was more work for the pharmacist, to be obtained through the control of dispensing and of all medicines. This would take time, but he thought that it would ultimately come. The standards set for the Qualifying examinations were set by the Government, and the Home Office demanded that before being entrusted with the dispensing of medicines pharmacists should conform to these standards. No one who chose to set up a dispensing chemist's business by allowing a qualified pharmacist one share in a company should be allowed to do so. He congratulated the Branch, which was in a distressed area, on its support of the Benevolent Fund. Several members spoke in appreciation of Mr. Howells's address, and Mr. T. E. Evans (vice-president) proposed a vote of thanks.

Portsmouth

The new building of the Portsea Island Co-operative Society in Fratton Road, Portsmouth, contains a pharmacy department.

The pharmacy department of the Portsmouth Municipal College is arranging a course in biochemistry and physiology extending to Easter 1938. The classes are to be held on Tuesday and Thursday evenings from 8.30 to 9.45 p.m., so that chemists who are interested may be able to attend after business hours.

Thames Valley

The Thames Valley District Pharmacists' Association commenced their autumn programme with a supper at the Kingston Hotel, Kingston-on-Thames, on September 28. About fifty members gathered under the chairmanship of the president (Mr. F. G. Davis), and after supper discussed problems such as the C.F. scheme and N.H.I. discounting. Before opening the discussion the president referred in sympathetic terms to the loss to the Association and to pharmacy by the death of their former president, Mr. Alfred Higgs. A resolution of condolence with the family of the late Mr. Higgs was passed in silence, the company standing. The death of Mr. Higgs made a vacancy in the treasurership, and to this office Mr. Norman Dewey was unanimously elected.

Regarding the C.F. scheme, the president intimated that he and Mr. Howells were to attend a N.P.U. Conference on the subject and wanted the opinion of members of the Association. Mr. Glyn Davis said the scheme was not being supported by chemists as it ought to be, and he favoured the Wembley idea of appointing representatives in each town to canvass. The Wembley scheme was not altogether approved, and questions regarding the working of the scheme were put

by one or two members. These the president endeavoured to answer. Mr. Howells suggested that funds should be collected to enable the N.P.U. to put over a big advertising scheme on the air. He thought a broadcast play or lecture from Luxembourg or Normandy, emphasising the importance of the pharmacists, would be most effective. On the question of cost he felt sure they would have the support of the multiple companies. The C.F. scheme, in his view, was the best thing that had happened in pharmacy for many years. Mr. Dewey pointed out that one of the "snags" was the £50 deposit from manufacturers, who wanted some tangible recognition of what they were getting in return. He was confident, however, that approval of the scheme was growing.

On the question of N.H.I. discounting there was practically unanimous agreement that the present unbusinesslike arrangement was ridiculous and should be done away with as soon as possible. The president had received a letter from Mr. Mallinson on the subject, the gist of which was that, taking the amounts paid (and not paid) to chemists over a period of ten years, the discount averaged out at only 1.3 per cent. This was received with cold politeness by the company, and was questioned by the secretary (Mr. C. B. Harrison) and by Mr. Slade. Mr. Wolff said he had a branch at which there was no private dispensing, but a considerable volume of N.H.I. dispensing. Last year his dispensing fees at that branch amounted to £120, and he had to pay an assistant £3 a week to do the work. Mr. Clement pointed out the stone-wall attitude of the Ministry when approached on the question of raising the remuneration to chemists; and the president referred to the probable rise in the price of drugs, which would inevitably result in there being no surplus in the drug fund during the next two years and a consequent discount on dispensing fees. The discussion was followed by a musical entertainment provided by Mr. Griffiths.

Miscellaneous

SUMMER TIME ends at 2 a.m. Greenwich mean time (3 a.m. British summer time) on October 3. Clocks are usually put back by an hour on the previous day.

IN THE COURTS.—At Barnet Petty Sessions, on September 22, Thomas Stazicker, chemist and druggist, was sentenced to two months' imprisonment on two charges of embezzling money belonging to his employer, Mr. W. R. Pratt, Ph.C., High Street, who in court made a plea for leniency.

SUNDAY TRADING AND N.H.I. CONTRACTS.—The Derby Branch of the National Pharmaceutical Union have asked the local Insurance Committee to notify them of applications by drug stores and other traders to Part 2 or Part 3 of the list of chemists. This is being done, it is stated, in order to evade the Shops (Sunday Trading Restriction) Act. The Insurance Committee have agreed to communicate with the Pharmaceutical Committee prior to adding any new name to the lists.

Irish Notes

Pharmaceutical Society of Ireland

The following are the latest dates for making application to enter for the October examinations of the Pharmaceutical Society of Ireland: Pharmaceutical License examination, October 4; Pharmaceutical Assistant examination, October 11. Applications must be lodged by 11 a.m. on the dates given.

Belfast

Speaking at an air-raid precaution lecture in Belfast, Mr. A. W. Mann, Ph.C., hon. secretary, Ulster Division, St. John Ambulance Brigade, pointed out that the work could not be carried out successfully unless they had at least 1,000 instructors in Northern Ireland. Classes for ambulance and air-raid precaution, he said, would be formed in various parts of the city.

A meeting of the ladies' pharmacy social committee was held at the offices of the Pharmaceutical Society of Northern Ireland on September 15, Mrs. F. Storey (chairman) presiding. There were present Mrs. W. Martin, Mrs. C. Abernethy, Miss Forrest, Ph.C., and Miss Barry, B.Sc., Ph.C. Mrs. I. McGregor was co-opted on to the committee in place of Mrs. Dwen, who has resigned.

Cork

T. R. Lester, Ltd., chemists, 106-107 Patrick Street, Cork, have recently had their premises reconstructed and an imposing new frontage installed. The shopfront is in black and bronze, with window casings of maple. The company is one of the oldest pharmaceutical businesses in the South of Ireland, having been founded in 1869. The new frontage just completed strikes a modern note without being "flashy," and its simple lines preserve the tradition of the establishment. The only touch of colour is the sign-lettering in red enamel, inset in bronze. The windows are brilliantly illuminated with sunk ceiling-lights, and the flooring of the pharmacy is in artistic



NEW SHOP FRONT OF T. R. LESTER, LTD., CORK

green rubber tiling with a marble effect. On the first floor, decorated in a scheme of cream and pastel green, is a suite of rooms equipped for face treatments and beauty culture, a chiropody department with up-to-date equipment, and a surgical fitting-room for trusses, belts, stockings, and other appliances. The beauty and chiropody departments are both in charge of trained assistants. On this floor also are located an extensive proprietaries stock-room and the company's offices. The drug stock-rooms are located on the second floor, while on the third floor is a busy packing department. The present directors are Mr. Alfred R. Lester, M.P.S.I., Mr. Stanley Lester, M.P.S.I., Mr. W. Yeats, M.P.S.I., and Mr. R. D. Clarke, M.P.S.I.

Miscellaneous

REAPPOINTED CHAIRMAN.—Mr. J. E. Connor, J.P., Ph.C., has been unanimously re-elected chairman of the Newry local education committee. A tribute to his work was paid by Archdeacon McAlister, who proposed the re-election.

IN THE COURTS.—At Waterford District Court, recently, a charge of larceny against Miss Marie Connolly, an assistant with Henry Bell & Co., chemists, was shown to be unfounded. District Justice McCabe added that there was never the slightest foundation for the charge.

AGENCIES.—Milton Proprietary, Ltd., have appointed May Roberts (Ireland), Ltd., Dublin, as their distributors in the Irish Free State and Thomas McMullan & Co., Ltd., Belfast, as their distributors in Northern Ireland. Mr. J. J. Murphy has been appointed as Irish representative of Messrs. Milton.

PHOTOGRAPHIC EXHIBITION.—The Dublin Branch of the P.D.A. will hold its exhibition of prints in connexion with the year's competitions for Photographic Dealers and Assistants at Jury's Hotel on November 26. Intending exhibitors should note that entries close on November 17. During the run of the exhibition Mr. Frank Newens, F.R.P.S., will lecture on "How to Get It With Colour."

DISPENSARY APPOINTMENT.—On the recommendation of the Local Appointments Commission, the Dublin Board of Assistance have appointed Mr. John M. O'Connell, L.P.S.I., com-

pounder to South Earl Street Dispensary. Mr. O'Connell has three brothers who are chemists, each of whom qualified with honours.

FREE STATE BUSINESS CHANGES.—The business of Miss M. A. Rogan, Ph.C., Quinsboro Road, Bray, co. Wicklow, has been recently acquired by Mr. James Moran, M.P.S.I., the Medical Hall, New Ross.—Mr. James Walsh, Ph.C., has taken over the business of Mr. William Corrigan, Celbridge, co. Kildare.—Businesses recently opened include the pharmacy of Mrs. E. Maher, M.P.S.I., Bray, and that at Market Street, Thomastown, co. Kilkenny, opened by Mr. T. F. Kelly, M.P.S.I.

CATTLE FOOD WARNING.—The sale of inferior foodstuffs for livestock and poultry has been the subject of correspondence between the Fermanagh Agricultural Committee and the Ministry of Agriculture. In one instance a salt for curing diseases in poultry is said to have cost 26s. per stone, and to have been offered as capable of curing poultry diseases. An analysis showed that it contained bean meal, common salt, ground limestone, phosphate and spices. In a second case a powder for cows in calf, costing 14s. per 7 lb., was found to contain similar ingredients, with the addition of charcoal.

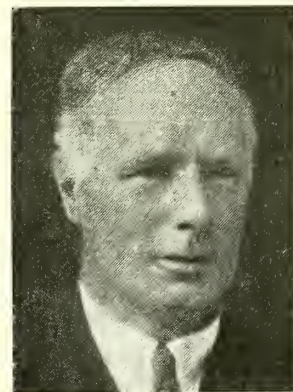
ELECTORAL REPRESENTATION.—Under the terms of the Senate Electoral Bill recently issued, the Government propose to give official recognition to pharmacy in the formation of the new Senate. The scheme provides that forty-three members of the new Senate will be elected from five vocational panels. The interests to be represented on the "cultural and educational" panel are law, medicine (including surgery), dentistry, pharmacy and veterinary medicine. The Minister for Education will appoint the nominating bodies, who will select panel candidates to represent these professions. It is understood that the Pharmaceutical Society of Ireland will be appointed the nominating body for the profession of pharmacy.

Scottish Notes

Miscellaneous

CHRISTMAS OPENING.—Kelso Merchants' and Traders' Association have agreed to remain open on Christmas Day, which this year falls on a Saturday.

NEW STYLES.—It is announced in "Shelf Appeal" that T. & H. Smith, Ltd., Edinburgh, Glasgow and London, have adopted new styles of bottles and labels for forty-two of their proprietary articles. The bottles have been designed by Mr. C. d'O. Pilkington Jackson, a sculptor. They are said to simplify problems of filling, packing and storage.



PROFESSOR GEORGE BARGER,

D.Sc., F.R.S., REGIUS PRO-

FESSOR OF CHEMISTRY IN THE

UNIVERSITY OF GLASGOW

Photo]

[Press Portrait Bureau

Topical Reflections

By Xrayser

"Health and Industry"

is an appropriate title to your editorial consideration of the Industrial Health Research Board report (p. 365), which seeks to apply what may be termed "practical psychology" to the working conditions which are to be found in industry at the present time. Although manufacturing routine in the drug and chemical industry is not, perhaps, so tedious as in other callings, the constant repetition of the same movement for many hours produces a weariness and staleness which in many instances is prevented or alleviated by a few minutes of complete rest at intervals. Noise is peculiarly trying to certain types of workers; and to house such in a factory which vibrates to the incessant movement and noise of heavy machinery results in reduced output with lowered efficiency. I believe that gastric troubles are more common than is usually supposed, particularly among executives. The constant strain and worry of present-day business, combined with the speed at which mental work has often to be carried out, takes toll from the digestive organs. We pay a heavy price for our civilisation and "progress." The modern struggle for existence, particularly in cities, leaves little time for quiet recuperation. Fortunately the pharmacist in business, although his hours may be somewhat long, gets variety in his work, which usually provides a "spice" often denied to the manual worker.

The Change of Venue

for the holding of the Chemists' Exhibition has been, in my opinion, fully justified (p. 368). There is more space in the Albert Hall than has usually been the case, and there are better opportunities for social amenities. There have, as usual, been attempts by non-technical journalists to seize upon novelties on show and build up sensational "pars" upon them; from my observation I should say that there have been fewer novelties than has sometimes been the case, but more readily saleable "bread-and-butter" lines. At the Chemists' Exhibition the average pharmacist expects to see examples of all that is new in specialities; he wants fresh ideas on the presentation of his goods, either put up by him-

self in his own pharmacy, or by manufacturers. He hopes for bargains (and often gets them) in the way of special prices for drugs and sundries; he hails the opportunity, especially now the Exhibition is in the autumn, of making some of his Christmas purchases. And he looks forward to meeting old friends, and perhaps making new ones. I was particularly struck this year by the changed type of stand. If a photograph of the corresponding Exhibition of, say, ten years ago is compared with that of this year, it will be found that the stands are on the whole plainer and less ornamental. The open display type, so much in evidence, gives opportunities for the handling of goods which were not possible in the "silent salesman" display.

Like Your Correspondent

on p. 378, I rather deplore the passing of the carboy. They certainly distinguished the chemist from, say, the hairdresser. They formed the theme of comments in novels, from Dickens to Wells. They have provided amusement for generations of customers, who, while waiting in the pharmacy, commented on the fantastic appearance of the street and the people in it as seen upside down. Their passing may not, perhaps, be mourned by the errand-boy, porter or apprentice whose job it was to keep them bright. I recall an experience when, one frosty morning, I accidentally touched the "bulge" of a six-gallon carboy with the edge of a glass filter. The heavy vessel collapsed, the stopper crashing through the glass top of the window enclosure, and the liquid deluged the contents on show underneath. Fortunately these consisted, as was often the case in those days, of a collection of glass measures, douche cans and the like, and no further damage was done; but the experience gave me a "complex" which even now has not been quite dissipated and warns me to touch a carboy very gingerly. The carboy has occasionally been replaced by hand-painted vases which, although artistic, suggest no atmosphere of pharmacy. A friend has hit upon the idea of decorating his window and the interior of his pharmacy with pharmacy jars: this strikes the right note. Unfortunately few pharmacists own a sufficient number of these increasingly valuable articles to make much of a show.

Legal Reports

Pharmacy and Poisons Act, 1933.—At Lichfield, on September 22, two summonses issued by the Pharmaceutical Society against Mr. Cecil Averill, chemist and druggist, Lichfield, for selling poison at his shop at Alrewas without being authorised and for selling poison on premises not registered were heard. Mr. A. C. Castle, for the prosecution, stated that Mr. Averill had three shops, two "chemist" shops and another which was not a chemist's shop. He there employed a young woman, but had no qualified chemist, so he was not an authorised seller of poisons. An inspector of the Society visited the premises and purchased a tube of Movol, which when analysed was found to contain oxalic acid. It was not marked as poison, but the purpose of the prosecution was to bring before the Bench the fact that Mr. Averill was not an authorised seller of poisons. He (Mr. Castle) knew Mr. Averill was a very respected citizen; and as far as his personal character and business character were concerned nothing could be said against him, but the best of people committed offences at times, and the Society had decided that that was a proper case to be investigated by the Bench. It was admitted that the premises had not been registered. Mr. Charles A. McClosky, an inspector, gave formal evidence. Mr. Frank Cooper, for the defence, said obviously there had been a technical offence, but there was nothing on the packet to indicate that it contained any poison. It was a proprietary article which was not even put on the list issued by the Society to warn members that it contained a minute quantity of a scheduled poison. For many years prior to the Act coming into force Mr. Averill had that shop at Alrewas, and nobody could have suggested he was not properly carrying on the business there. He was not selling poisons. When the Act came into operation he carefully removed every article of poison, as he thought, but unfortunately he missed that particular article as he had no knowledge that it contained poison. Was it not farcical to say that in these circumstances Mr. Averill, who was so well known to them all, should have his reputation blotted? The summonses were dismissed on payment of 50s. costs, the chairman remarking that the Bench felt the case should not have been brought.

At Plymouth, recently, William Thomas Dawes, herbalist, 15 King Street, was summoned for having unlawfully used in connexion with his business the description "pharmacy," contrary to a section of the Pharmacy and Poisons Act. The defendant's solicitor said his client pleaded "Guilty" to a technical offence, sincerely regretted the lapse and had had the lettering removed. The magistrates imposed a fine of 20s.

At Wingham (Kent) Petty Sessions, recently, Mr. C. Fermor, M.P.S., The Pharmacy, Eythorne, pleaded "Guilty" to three charges. Mr. A. C. Castle, prosecuting, said that in this case defendant was a registered pharmacist and had three sets of premises, one at Eythorne and others at Nonington and Sheperdswell. An inspector under the Act walked into the shop and found an unqualified female in charge, who served him with some laxative vegetable tablets, not under the supervision of a registered pharmacist. Mr. Fermor was fined £2 on each summons and £1 11s. 6d. costs.—On the same day, at Wingham Petty Sessions, Mr. R. Gough, the Post Office, St. Margaret's, appeared on three similar charges and also for not being an authorised seller. He pleaded "Guilty" on all four summonses. In defendant's case, said Mr. Castle, the facts were that he carried on a post office business and also sold what he termed as drugs, sundries, stationery and so on. He had no pharmaceutical qualifications and the premises were not registered. A fine of £1 on each summons was imposed, with £1 11s. 6d. costs.

ENCYCLOPEDIA OF PHOTOGRAPHY.—The first number of "Modern Encyclopedia of Photography" has just been published by The Amalgamated Press, Ltd., London, E.C.4, and the work is to be completed in about thirty weekly parts (1s. each). The range of subjects is comprehensive, as a few of the titles in Part I serve to show:—"Triumphs of Modern Photography," "Modern Magic of the Amateur Cine Camera," "How your Camera Works" and "Advertising Photography," while the alphabetical encyclopedia will increase the value of the publication as a reference work on the theory and practice of photography. The illustrations are numerous and well selected.

Company News

P.C. means Private Company and R.O. Registered Office

H. A. SMITH (BIRKENHEAD), LTD. (P.C.).—Capital £400. Objects: To acquire the business of a retail chemist carried on by Edith M. Smith at 583 Borough Road, Birkenhead, as "H. A. Smith."

H. D. ANDERSON & CO., LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, oil and colourmen, etc. The first directors are to be appointed. R.O.: 59 Well Hall Road, Eltham, S.E.9.

HOUSE OF WESTMORE (ENGLAND), LTD. (P.C.).—Capital £100. Objects: To carry on the business of perfume manufacturers, etc. The first directors are to be appointed. R.O.: Empire House, 68 Finsbury Pavement, E.C.2.

DEARNE DISTRIBUTORS, LTD. (P.C.).—Capital £150. Objects: To acquire the business of sale of Chlorox (liquid bleach and disinfectant) carried on by L. Ellis at Wakefield Road, Denby Dale, near Huddersfield, as Dale Garage.

ROLESONS, LTD. (P.C.).—Capital £4,500. Objects: To acquire the business of a wholesale druggist, dealer in surgical instruments and medical appliances carried on by W. Rowley, sen., at 263 and 265 Aston Lane, Birmingham, as "Rolesons."

JASON MANUFACTURERS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers and dealers in violet ray and x-ray tubes and apparatus, surgical belts, trusses, etc. Solicitors: Albert Fletcher & Co., 23 College Hill, E.C.4.

CHRYSTALLS (WOODFORD GREEN), LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, disinfectants, etc. Robert Chrystall, 12 The Broadway, Woodford Green, Essex, director.

H. A. DAVIS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in surgical, medical, and healing instruments and equipment of all kinds, etc. Horace A. Davis, surgical instrument maker, 3 Porthamal Gardens, Rhiwbina, Cardiff.

KYLO PREPARATIONS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in soap and other cleansing materials, etc. Roland F. Berrill, 6 Arundel Court, Churton Street, S.W.1, director. Solicitors: Freke Palmer Romain & Romain, 120/122 Seymour Place, W.1.

INDUSTRIAL LACQUERS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in cellulose lacquers and cellulose products and paints of all kinds, shellac, size, manufacturing chemists, etc. The first directors are to be appointed. Solicitors: Herbert Oppenheimer & Co., 1 and 2 Finsbury Square, E.C.2.

Bankruptcy Report

Re Joseph Edward Burton, The Manor House, Hyde Road, Woodley, Chester, formerly drug stores proprietor. The adjourned public examination herein was held recently at the Court House, Stockport. Debtor, whose liabilities amounted to £876, had no assets. He began the Balmoral Pharmacy at Blackpool under his wife's name and entered into a contract to buy premises for £3,000, but paid no deposit. He opened a similar business four months later at Westcliff-on-Sea, under an assumed trading name. Debtor was made bankrupt at Chelmsford six months later, and under those proceedings a dividend of 2s. 4½d. in the £ was paid on claims for £1,800. Debtor started various other ventures, and in October 1936 advertised for partners in the Pharmoint Drug Co., receiving £300 from another for a half share in the company. The whole of that amount had been spent by the end of November, whereupon debtor received a further £300 from a second party for a quarter share in the business. Debtor was ordered to furnish a cash account of receipts and payments between October 1936 and the date of the receiving order in May this year, and the hearing was further adjourned.

National Pharmaceutical Union

Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on September 21, Mr. W. W. Atkinson in the chair.

ORGANISATION

The Executive received a report from the General Purposes Committee and approved the allocation of speakers for branch meetings during the coming session. The Conference of Branches will be held at the Holborn Restaurant, London, on October 20.

N.P.U. PRICE LIST

The Executive approved arrangements for circulating the full price list quarterly in future, and monthly alterations of prices. The Executive also authorised the publication of a list of tables of various calculations.

N.H.I. AFFAIRS

The Executive considered a list of revised specific gravities for Tariff preparations which was submitted by the Ministry of Health. These specific gravities, which had been determined by the Pharmaceutical Society, differed slightly from the existing specific gravities for these preparations. The Ministry proposed to issue the list of specific gravities of Tariff preparations as a separate document, which would be supplied upon application to interested parties. The Executive approved the proposition and the alteration to the wording in the Tariff rendered necessary.

The Worcestershire Pharmaceutical Committee had requested the N.P.U. to take steps to secure increased representation of pharmacists upon the insurance committees which are at present in process of election. The secretary reported that he had communicated with the Ministry of Health in regard to the matter, but no reply had yet been received. The secretary was given authority to submit nominations for the appointment of pharmacists to the new insurance committees.

Complaints were received from several members that the present method of calculating the price for spread plasters did not make sufficient allowance for wastage. The Executive instructed the secretary to ask the Ministry of Health to increase by 10 per cent. the prices in the Tariff for spread plasters.

The secretary was instructed to communicate again with the British Medical Association asking for an immediate revision of the N.H.I. Formulary.

MEDICAL PRACTITIONERS' POST-GRADUATE COURSES

The secretary reported that he had made inquiries from the Ministry of Health as to how the cost of providing these courses was to be met. In reply the Ministry had stated that the money would be provided from administrative sources, and that the statutory drug funds were not affected.

STREET TRADING

A letter was received from the National Federation of Retail Newsagents, Booksellers and Stationers asking for the support of the Union in regard to a Bill which had been framed by the Federation for the regulation of street trading. The secretary was instructed to say that the N.P.U. would be pleased to support the Bill.

CHEMISTS' FRIENDS SCHEME

Applications for inclusion in the Chemists' Friends List were accepted from the following firms:—Wilcox Jozeau (Foreign Chemists), Ltd., for Cachet Faivre; British Cod Liver Oil Producers (Hull), Ltd.; Koray, Ltd.; Eli Lilly & Co., Ltd.; Len Harveys Embrocation, Ltd.; Sharp & Dohme, Ltd.; Teucer, Ltd.

Applications for the inclusion in the list of contraceptives and dental plate cleaners were received, but these applications were refused as the goods are not eligible.

The Executive authorised the making of arrangements for the annual meeting of C.F. manufacturers to be held on November 23.

C.D.A. Matters

The secretary reported that in regard to the thirty-six cases outstanding since the last meeting of the directors, thirteen had been settled as follows:—Cheese spoiled by rennet solution supplied; claim settled by payment of £2 2s. Camphorated oil supplied for olive oil; claim settled for 11s. 6d. Irritation caused by phenol lotion; claim settled for £12 5s. 3d. Incorrect lens; claim settled by supply of new lens for 10s. 6d. Liq. phenol supplied for ol. carbol.; claim settled for £16 15s. 6d. Injuries caused by cycling errand-boy; claim settled for £14 2s. Injury caused by fall over mat; claim settled for £2 2s. Damages to car caused by cycling errand-boys (four cases); claims settled for 9s. 9d., 6s. 6d., £1 5s., and £1 10s. 3d. respectively. Damage to clothing caused by faulty bottles (two cases); claims settled for £3 13s. 6d. and 8s. 6d. respectively.

Forty-four new cases had arisen since July, and the following settlements had been effected:—Tomato plants damaged by sulphate of ammonia supplied for pot. sulph.; claim settled for £8 7s. Damage caused by paraffin leaking (two cases); claims settled for 3s. 6d. and 4s. 6d. respectively. Film spoiled by faulty camera; claim settled for 6s. 4d. Birds died after administration of zinc sulph. supplied for ferri sulph.; claim settled for £1 10s. Film lost in member's premises; claim settled for 10d. Damage caused by cycling errand-boys (five cases); claims settled for 4s. 3d., £1, 12s. 6d., £1 10s., and £2 5s., respectively. Damage to clothing and injuries caused by fall; claim settled for 10s. Damage to neighbouring premises caused by errand-boy; claim settled for 15s. 6d. Injuries caused by sun blind; claim settled for £25. Damage to clothing caused by accumulator acid; claim settled for £4 4s. Injuries caused by fall; claim settled for £2 5s.

The secretary reported that a member had been defended in regard to a summons for selling films from a machine. A reduction of £25 had been obtained on the agreed costs. Two members had been defended in respect of summonses for breach of the Pharmacy and Poisons Act. The directors received a report upon the legal advice which had been given and twenty-eight analyses which had been undertaken for members.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

ENGLAND AND WALES

Devon.—A meeting of the Devon Pharmaceutical Committee was held at Exeter on September 15, Mr. Philip F. Rowsell in the chair. The secretary read a letter from the National Pharmaceutical Union intimating that points requiring revision in the National Formulary, to which the Devon Committee had drawn attention, would be submitted to the Revision Committee when it commences work. Mr. M. T. Foster was nominated to serve on the Devon Insurance Committee for the ensuing five years.

Herefordshire.—The total number of prescriptions for the second quarter of 1937 was 18,409, compared with 24,109 for the corresponding period last year. The average total cost per prescription was 8.6d., compared with 8.3d. in the West Midlands area. The average total cost per insured person was 8.0d., compared with 7.7d.

Norwich.—In 1936 the total of prescriptions in the East Anglian area was 204 per cent. above the figure for 1917, although insured persons increased by only 87 per cent. In 1936 the average cost per prescription was 8.47d., against 6.22d. in 1917. The average number of prescriptions per person in 1936 was 4.38, against 2.17 in 1917. In reply to questions, the clerk explained that Norwich Committee had kept within the amount available for prescription purposes.

Pharmaceutical Society of Ireland

Council Candidates

FOR the first time for some years there will be a contest for the seven seats which fall vacant on the Council of the Pharmaceutical Society of Ireland this month. When nominations closed at 67 Lower Mount Street, Dublin, on September 27, nine candidates had been nominated for the seven vacancies. The outgoing members of the Council, all of whom are seeking re-election, are Messrs. J. A. O'Rourke (president), P. C. Cahill, C. Cremen, J. T. Dwyer, J. Gleeson, W. J. McKnight, and M. J. Parkes. The new candidates in the field are Mr. Joseph Gorry, M.P.S.I., Naas, and Mr. Patrick D. Larkin, West Street, Drogheda. Both Mr. Gorry and Mr. Larkin have formerly served on the Council of the Society.

By mutual agreement no election addresses are being issued by the outgoing councillors who are presenting themselves for re-election. Ballot papers will be sent out during the next few days, and the counting of the votes will take place on October 11.

The Candidates

MR. PATRICK C. CAHILL, one of Irish pharmacy's young men of note, has done valuable work. Long before a home government was in existence to lend its support, Mr. Cahill, with his father, the late Mr. Arthur Cahill, had been engaged in the task of reviving native industry. Within recent years Mr. Cahill left the retail side of the business to found the Dublin wholesale firm in North Lotts bearing his name. Few pharmacists can bring to the deliberations of the Council a more varied and valuable experience than Mr. Cahill. His inclusion as a member of the Council three years ago was a wise choice. As one of the I.D.A. Committee, Mr. Cahill rendered valuable service to the trade in bringing about the creation of an Approved List of Manufacturers and Wholesalers.

MR. CORNELIUS CREMEN, like Mr. Cahill, has played a prominent part in developing home pharmaceutical industries. From its inception up to last year Mr. Cremen has been chairman of Irish Pharmaceuticals, Ltd. As a member of the Council he has always approached the problems facing that body in a practical way, and his views have earned respect.

MR. JAMES T. DWYER is a pharmacist with a fine record not only for work as a councillor but also in the trade organisation. He filled the office of president of the old Dublin and Provincial Retail Drug Association and is a strong supporter of the work of its successor, the Irish Drug Association. Mr. Dwyer's contributions to the deliberations of the Council are always characterised by sound judgment and common sense. Either in the trade body or at the Council meetings Mr. Dwyer has always acted with a fine sense of duty to his profession.

MR. JOHN GLEESON comes under the classification of one of the young men among the candidates. Several years of service on the Council, and as a member of its committees, have given him a ripe experience which has made him a valued man in directing the affairs of his profession. Few men have been more diligent in fulfilling their responsibilities as members of Council than Mr. Gleeson, who is a good attender and hard worker.

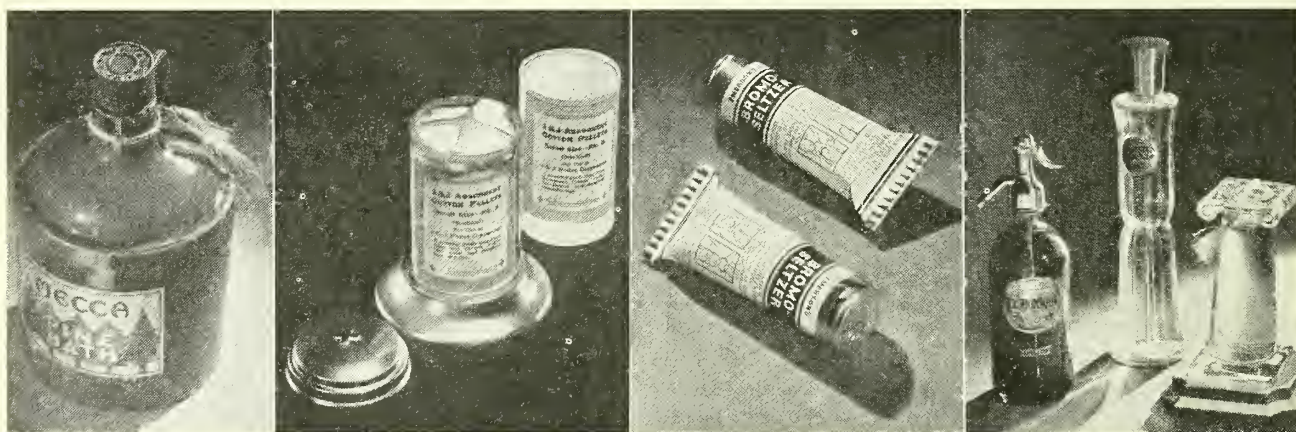
MR. JOSEPH GORRY, one of the new candidates in the field, will, if he is returned, be no new-comer at Council meetings. Mr. Gorry, who runs a successful business in Naas, has several sons in the profession. For some years past he has been an enthusiastic member of the Irish Chemists' Golfing Society.

MR. PATRICK D. LARKIN, who carries on a thriving pharmacy in Drogheda, is another candidate in the field not new to Council honours. He is a business man of fine capabilities, with a wide interest in sport. In Drogheda he is an active member of the Rowing Club, and in addition he gives his fullest support to the tournaments organised by the Chemists' Golfing Society.

MR. WILLIAM J. MCKNIGHT is in business at Ballymahon, co. Longford. In the deliberations of the Council he has contributed the view-point of the rural pharmacist in a quiet and effective way. Apart from his profession Mr. McKnight has taken a prominent part in the National movement.

MR. JAMES A. O'ROURKE, who heads the list of the seven outgoing councillors seeking re-election, is this year's president of the Pharmaceutical Society of Ireland, an office which he has filled during the past twelve months with dignity and ability. In the history of the Society Mr. O'Rourke is probably the youngest pharmacist ever to have been given the honour of the presidency, and he has been zealous to protect the interests of the profession. Outside pharmacy Mr. O'Rourke has taken a keen interest in economic and social problems. Recently he took part in a pilgrimage to Lourdes organised under pharmacist auspices.

MR. MATTHEW J. PARKES has a breadth of view and foresight which have made him an admirable councillor during his many years of service at Mount Street. His knowledge and experience of building were of real worth to the Council during the progress of its recent reconstruction scheme. As a member of the building subcommittee he was unsparing in his efforts to ensure that pharmacy had a headquarters in Dublin worthy of the profession. During the existence of the Blackrock Urban Council Mr. Parkes was a member of that body, and at one time its vice-chairman.



PACKAGING IDEAS FROM ABROAD.—Left to right: Stoneware jar with plastic-headed cork to match for liquid pine bath essence (U.S.A.); transparent drum on metal stand to take cotton-wool pellets (U.S.A.); single-dose container for Bromo-Seltzer; a collapsible tube with tear-off metal head (U.S.A.); perfume containers in form of soda-water syphon, Egyptian pillar and Ionic column (France).

—From the Exhibition of Modern Packaging. (See page 381)

Report on "Dangerous" Drugs

THE British Government's latest annual report to the League of Nations on opium and other "dangerous" drugs, covering the year 1936, has been issued. Type-script has at last given place to print, and two small changes have been made in the tables. Table X of the previous year's report, relating to exports of thebaine from the United Kingdom, has been discontinued, and this item appears in a new table (XII), which also covers exports of ecgonine, dihydromorphinone, dihydro-oxycodone, dihydrocodeinone, and benzylmorphine. The scope of the report is limited to Great Britain, Northern Ireland, the Isle of Man and the Channel Islands. Once again, "addiction to narcotic drugs is not prevalent in the United Kingdom." The total number of addicts known to the authorities at the end of the year was approximately 616, of whom about 137 were members of the medical profession and five were pharmacists. In 543 cases morphine was the drug of addiction, in sixty-one heroin, and in fifty-two cocaine. In the twelve months under review nineteen unregistered veterinary surgeons were licensed to be in possession of certain drugs for the treatment of animals. Twenty-three persons in charge of private dispensaries were licensed to be in possession of one or more of the drugs for medical treatment required by members of the dispensaries. Four schools of pharmacy were licensed to be in possession of certain drugs for the purpose of instruction of students. Nine persons were licensed to possess various drugs for analytical research work, and one person was licensed to be in possession of specimens of certain of the drugs. Nineteen persons were licensed to possess one or more of the drugs for the purpose of manufacturing proprietary medicines, and fourteen persons were licensed to possess certain drugs for the purpose of manufacturing medicines required in the treatment of animals. There were 137 wholesalers licensed to deal in one or more of the drugs, nineteen persons as merchants and fourteen persons as brokers in respect of one or more of the drugs. Three wholesale chemists were licensed to supply their own retail shops, and six druggists' sundriesmen to handle drugs in sealed containers but not to break bulk. Thirteen persons or firms were licensed to manufacture dental anaesthetics. The following information is abstracted from the report and its appended tables:—

RAW OPIUM

Imports of raw opium amounted (omitting decimal fractions) to 248,850 lb. (132,078 lb. in 1935). Exports totalled 119,227 lb., against 59,993 lb. in 1935. Quantity used in the manufacture of morphine (including the quantity of morphine converted into other drugs, etc.), 27,347 lb. (33,604 lb. in 1935). Consumption, other than for Government purposes, 714 lb.

MEDICINAL OPIUM

The total amount of medicinal opium exported was 1,674 lb. (1,833 lb. in 1935). Consumption, other than for Government purposes, 375 lb.

MORPHINE

The gross amount (in terms of anhydrous morphine) of morphine and morphine salts manufactured during the year was 71,350 oz. (74,172 oz. in 1935). 3,845 oz. of morphine was used in the manufacture of diacetylmorphine; 28,523 oz. in the manufacture of codeine; 3,661 oz. in the manufacture of ethylmorphine; and 64 oz. in the manufacture of apomorphine. Imports of morphine and its salts and preparations (excluding crude morphine, 19,144 oz.) totalled 347 oz. (855 oz. in 1935); exports amounted to 12,630 oz. (14,058 oz. in 1935). Consumption, other than for Government purposes, of morphine, 13,705 oz.

DIACETYLMORPHINE

The amounts manufactured during the year were:—Diacetylmorphine and salts of diacetylmorphine, 4,624 oz. (3,822 oz. in 1935). Imports amounted to 44 oz., while exports totalled 2,053 oz. (2,671 oz. in 1935). Consumption, other than for Government purposes, of diacetylmorphine, its salts and preparations, 1,835 oz.

COCA LEAVES

Quantity imported, 110,821 lb. (125,049 lb. in 1935). Quantity used in the manufacture of cocaine, 109,729 lb.

(104,577 lb. in 1935). Quantity exported, 115 lb. (288 lb. in 1935).

COCAINE

The amounts manufactured during the year were:—Cocaine and cocaine salts, 13,872 oz. (13,920 oz. in 1935). Imports of cocaine, its salts and preparations, 7 oz. (531 oz. in 1935). Exports of cocaine, its salts and preparations, 4,481 oz. (4,698 oz. in 1935). Quantity of cocaine purchased in the country for Government purposes, 149 oz. Consumption, other than for Government purposes, 8,161 oz.

INDIAN HEMP

Imports of Indian hemp totalled 1,734 lb. (3,242 lb. in 1935). Exports of Indian hemp amounted to 965 lb. (71 lb. in 1935); extract, 1,232 oz. (1,042 oz. in 1935); tincture, 1,312 oz. (969 oz. in 1935).

CODEINE AND ETHYLMORPHINE

In respect of codeine the following figures are given:—Amount manufactured, 37,265 oz. (36,642 oz. in 1935); amount imported, 99 oz. *plus* 3,265 oz. of crude codeine; amount exported, 20,913 oz. (26,285 oz. in 1935). The amount of ethylmorphine (dionin) manufactured was 2,868 oz. (3,262 oz. in 1935); amount imported, 29 oz.; exported, 1,185 oz. (1,914 oz. in 1935).

Chemists and Perfumers

By Historian

THE numerous descriptions and illustrations of perfumery and allied products given in the *C. & D.*, September 18, are not only decidedly helpful to business but also emphasise the progress continually going on in the presentation of these articles. So varied are the channels of distribution that it is perhaps difficult for us to realise that in earlier years the perfumer's was an exclusive business, and although the art of presentation had not developed as we see it to-day, nevertheless, the perfumer "delivered the goods." His stock-in-trade bore some resemblance to that of the chemist and druggist. I have before me a book dated 1853 which gives details of the stock required by anyone starting business as a chemist and druggist and also that for the trade of perfumer. From the latter list I have taken a selection which may prove interesting.

English pomatum of various perfumes, otto of roses, orange, jasmine, lemon, millefleurs, etc. Hair preparations including Russia oil, curling cream, bandoline, Prince's oil, Circassian cream, and many others. Packet soaps, including "Real" old brown Windsor, palm oil, sandal wood, anti-cholera, camphor, Montpellier, shaving cakes in wrappers, transparent, military and naval, amber. "Court" perfumes seem to have been very popular, and included Victoria bouquet, Prince Albert bouquet, and those of many princes, dukes and smaller personages. Tooth powders, including Ruspini's dentifrice and tincture, Dr. Verdigon's alsana extract, Levereaux's odonto, Circassian opiate, patent Naples cream, carmine, rouge in pots, bloom of roses. Genuine essential oils of neroli, clove, thyme, rose. Fashionable perfumers, states the book, kept the following articles at the following prices (presumably wholesale): Hair brushes of every pattern and quality from 6s. to £6 per doz. Whisker brushes in bone or ivory, hair brushes in ivory, 10s. to 20s. each. Tooth-brushes in bone, 24s. to 84s. per gross; in ivory, 14s. to 18s. per doz. Nail-brushes, 3s. to £3 per doz. Shaving brushes, 2s. to £2 2s. per doz. Dressing combs: the horn variety was up to 12s. per doz., shell as high as 96s. per doz. The next list includes bleaching liquid, court plaster, dragon's root for the teeth, dressing cases (japanned and mahogany), essence of Jamaica ginger, razors, salt of lemon, scented fruit, tongue scrapers, Tonguin beans, sponge, saucers in red, pink, blue and green. In the section devoted to the stock of the chemist and druggist no mention is made of medicated lozenges, but the stock list of the confectioner contains many.

Effects of Benzedrine

THE medicinal use of benzedrine is ascribed to the year 1935, when, according to a monograph by Ivor J. Davies in "The British Medical Journal" (4003, 615), Printzmetal and Bloomberg introduced it for the treatment of narcolepsy. After reviewing the literature of the drug, the author gives details of a case in which indiscriminate dosage was deleterious.

The patient was a robust young man of twenty-six who had previously enjoyed good health. He was a pharmaceutical student, and was preparing for the final examination. He had seen articles in the lay press on the action of benzedrine, and learnt that the drug was recommended in the medical press for its stimulant effect on the nervous system, and in particular that it had been found valuable in preparation for examinations. A bottle containing fifty tablets of benzedrine, each containing 10 mgm. of the drug, was obtained from a local chemist. From June 15 to 20 last he took two tablets each day, and at first felt no ill effects. On the contrary, he had a marked feeling of well-being and was mentally more efficient, and was more talkative for the first three days. Afterwards he experienced some dryness of the mouth, thirst, and occasional headaches. He worked hard on these days, and remained up until 2 a.m.; sleep afterwards was light, and he awoke easily at 7 a.m., his usual hour. On June 19 he was noticed to be pale, which was attributed to hard study; his colour was usually very good.

The written portion of his examination was held in Cardiff on June 22, 23, and 24, and on each of these days he took only one tablet after breakfast, as he had to travel in daily from a distant country town. Throughout the first part of the examination he had "throbbing headaches" to such an extent that his papers "suffered badly." Continuing to take the tablets, he travelled to London on June 30 for the practical part of the examination, which lasted three days. Severe headaches were again felt daily, and sleep was poor and restless. He returned home by a night train in the early morning of July 3, and despite a feeling of utter weariness, was unable to sleep during the journey of six hours. At home he was observed to be very pale, and he complained of severe headache and giddiness, thirst, and a dry mouth. Although feeling thoroughly exhausted he was fully awake and unable to sleep. In the early afternoon of the same day palpitation and a feeling of faintness supervened. He was given a small amount of brandy, when he improved and dozed for a few hours. He became restless again and began to vomit, and suddenly collapsed. The patient was seen at once by a medical man, who found him unconscious and in a severe state of collapse. He was critically ill for one hour. He responded fairly quickly to the usual measures of stimulation. Sleeplessness and restlessness were severe for the following three days, despite the use of simple sedatives. Gradual and continuous recovery then ensued.

Summary of 100 Trials

In a recent issue of "The Journal of the American Medical Association" (109,8,549) D. L. Wilbur and others give tabulated results, with a discussion, of 100 tests with patients showing (1) chronic exhaustion, (2) psychoneurosis, and (3) depression. The authors remark that the method by which benzedrine produces a stimulating action on the central nervous system and the part of the brain which it stimulates is unknown. Marked stimulation of the nervous system is the most striking effect of the drug. The long duration of this effect is noteworthy. From the evidence which has so far accumulated, benzedrine does not appear to be toxic in usual doses nor does it seem to be habit-forming.

A review of the records of the patients whose condition was improved and of those for whom improvement was only temporary or was associated with unpleasant symptoms failed to reveal any distinguishing features that could be used to explain the divergent results. The unfavourable effects of one or two doses of benzedrine include exaggeration of nervousness, apprehension and anxiety, a feeling of being "fidgety," insomnia, excessive sweating, dryness of the mouth, light-headedness, irritability and melancholia. Some patients who have continued to take benzedrine for periods of weeks or months occasionally have noted persistence of these symptoms or development of them. The authors have not noted un-

favourable gastro-intestinal symptoms. Of the twenty-three patients with chronic exhaustion who took benzedrine for from two weeks to eight months, two reported loss of 20 lb. after using benzedrine for two and four months respectively. Two patients, however, reported a gain of 5 and 6 lb. respectively, and the weight of the remainder did not change significantly. One possible harmful effect of prolonged administration of benzedrine may be encountered if the drug is given to patients whose exhaustion or fatigue is a protective symptom. It has been the experience of Dr. Wilbur and his colleagues that, if the condition of a patient fails to improve with one of the doses noted, he will not be benefited ordinarily by larger amounts of benzedrine. Many of the patients with exhaustion and depression whom they have observed, and who have taken benzedrine over a period of weeks or months, have found that they were able to reduce the dose to as little as from 2.5 to 5 mgm. before breakfast, with continuation of good results. Occasionally patients find that intermittent use of the drug proves more satisfactory than continuous administration. One fortunate quality of benzedrine is that the effects of its administration almost always can be determined in one day. If there is no beneficial effect from its administration before breakfast and lunch on one day, it appears useless to administer it over longer periods. Its indiscriminate use cannot be too severely criticised.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1937, p. 338.

(From "The Trade Marks Journal," September 1, 1937)

Label design for Gold Medal Eau de Cologne; for perfumery (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1. 578,244. (Associated).

"BOB-O-LENE"; for hair setting and waving lotion. (48). By Marchant Hills & Co., Ltd., Ewing House, Chiswell Street, London, E.C.1. B575,415.

"MON IMAGE"; for perfumery (48). By Parfums L. Lelong, Ltd., 27 Old Bond Street, London, W.1. 578,685.

APPLICATION AMENDMENT

The specification for "BANOSCT" in Class 2, No. 575,535, By A. K. Hillson has been amended to "disinfectants and insecticides."

(From "The Trade Marks Journal," September 8, 1937)

"CALKET"; for veterinary chemicals, etc. (2); for medicinal chemicals (3). By Boots, Ltd., Station Street, Nottingham. 577,541/542. (Associated).

"LUMABRA"; for medicated girdles for lumbago (3). By The Lumbra Girdle Co., 6 Abbey Road Mansions, St. John's Wood, London, N.W.8. 575,134.

"W. JANSSEN"; for medicinal herbs (3). By Dr. W. Janssen, Krumme Strasse 89, Berlin-Charlottenburg 1, Germany. 576,525.

"MANOXYL"; for medicinal chemicals (3). By Anestan, Ltd., 180 Piccadilly, London, W.1. 578,219.

"JUVETEX"; for medicinal chemicals (3). By The Juveta Co., 4 Merchiston Crescent, Edinburgh. 576,999.

"MERIDIAN"; for ointment for skin diseases (3). By E. M. Rees, 49 Maindy Road, Cathays, Cardiff. 577,907.

"SARSEL"; for medicines for the blood (3). By C. R. Harker, Stagg & Morgan, Ltd., 5 Emmott Street, Mile End, London, E.1. 578,070.

"PROFFML"; for medicinal chemicals (3). By Bayer Products, Ltd., 31 Basinghall Street, London, E.C.2. 578,505.

"OSTIODA"; for iodine medicated preparations (3). By R. Loubatie, Villa Palestra, Avenue Nelly Deganne, Arcachon, France. 578,506.

"DECURVON"; for all goods (3). By N. V. Thelopharm, Looiersgracht No. 27, Amsterdam (C), Holland. 578,704.

"CARBANTREN"; for all goods (3). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland. 579,077.

"PRESTOBAND"; for bandages (11). By Vernon & Co., Ltd., Penwortham Mill, Preston. 578,969.

"BARBARA GOULD"; for perfumery, etc. (48). By Barbara Gould, Ltd., Queens Way, Croydon, Surrey. 568,793.

Trade Notes

THE C. & D. RETAIL PRICE LIST will be published in our issue of October 16.

OYSTER CONCENTRATE.—Illustrated on this page is the packing of Tyrodone tablets, which are a new product said to contain a rich concentrate from deep-sea oysters. This product will be advertised to the public, and supplies can be obtained from the usual wholesaler. Tyrodone tablets are rich in organic iodine, iron, calcium and phosphorus. Their use is suggested in anaemia, debility, and nervous and glandular disorders. These tablets are packed in bottles of 36 and are manufactured by Ru-Mari, Ltd., First Avenue House, High Holborn, London, W.C.1.



VANILLETS.—In our advertisement pages last week the wholesale price of the 3d. tubes of Vanillets quoted should read 2s. per dozen and not as stated. Vanillets are made by Thompson & Capper Wholesale, Ltd., Speke Hall Road, Liverpool 19.

PHILLIPS TONIC YEAST.—Special bonus terms for direct orders are available in consideration of a fourteen days' window display. Full details are given in our advertisement pages. A new standard window display will be sent to all registered pharmacists who send a postcard stating how many sets are required to Phillips Yeast Products, Ltd., Park Royal Road, London, N.W.10.

CHRISTMAS GOODS AND CALENDARS.—We have received from Raphael Tuck & Sons, Ltd., Raphael House, Moorfields, London, E.C.2, examples of their new publications for Christmas 1938. The beautiful specimen Christmas cards are indicative of the care taken to produce artistic results. Tear-off calendars by the day or month are obtainable in multi-coloured varieties. A catalogue containing a complete list of their productions with the title "The Crowning Year" is available on request.

INTRODUCTION TO ADVERTISING.—Pinaud, Ltd., Paris and London, manufacturers of eau-de-quinine and other well-known toilet products, are about to launch their first advertising campaign in the national Press. Two new Pinaud products will be introduced at the same time—612 creamy mascara, a fine-quality tube eye-cosmetic, and Preface, a new luxury perfume. Ample display material is available and will be sent out with all orders for Pinaud products during the next few weeks.

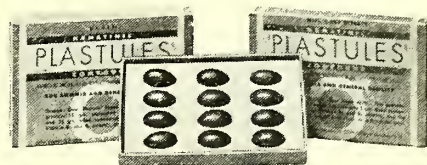
NEW VERMIN EXTERMINATOR.—The British Rodent Exterminator Co., 67 Vicarage Road, London, S.E.18, direct attention to new vermin-destroying products which they have



just introduced. There are four sizes of the products, which are described as Vexterm, and for trade purposes ample supplies of show material and dummies are available.

BOVRIL BONUS INCREASED.—Bovril, Ltd., Old Street, London, E.C.1, announce an increase in their annual bonus scheme for retailers from 5 per cent. to 7½ per cent., subject to usual display terms. Full details may be obtained on application.

HÆMATINIC PRODUCTS.—Illustrated are new iron products produced by John Wyeth & Brother, Ltd., 25 Oldhill Place, London, N.16. They are described as Plastules hæmâtinîc compound with or without liver extract. Each product is a flexible gelatin capsule, containing ferrous sulphate, grain 5, and ½ grain concentrated yeast extract, which is included as a convenient source of the B vitamin. The advantage of presenting the iron salt as a capsule is that the oxidation is prevented and the contents are less likely to become hard and non-assimilable. The Plastule product with liver extract contains half the quantity of iron and the same quantity of yeast extract, with the addition of 2.62 grains liver extract. The products are packed in convenient sliding boxes of 30 capsules. Plastules are administered in the anæmias and in general debility due to hæmorrhage and other causes.



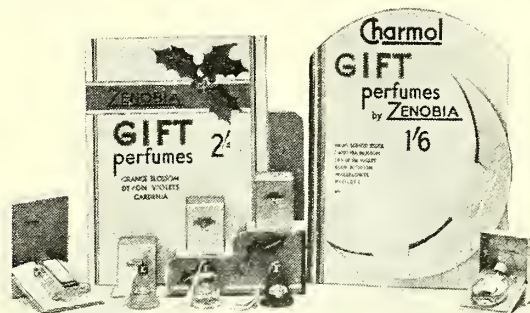
WINDOW DISPLAY CONTEST.—The closing date for entries for the Brooklax national window display contest is October 11. Details will be sent to every chemist early next week from Westminster Laboratories, Ltd., Palmer Street, London, S.W.1.

DISPLAY OF SPONGES.—Sponges of all descriptions will be shown at the Grosvenor Hotel, Manchester, from October 4 to 9, by Hydra Sponge, Ltd., 129 Finsbury Pavement, London, E.C.2, who are actual fishers. This display is for wholesale and export buyers.

CHEMOTHERAPY OF STREPTOCOCCAL INFECTIONS.—With reference to the note in last week's C. & D., it should be noted that Proseptasine and Soluseptasine are not chemically identical, the former being a benzyl derivative or sulphanilamide and the latter a disodium-p (γ-phenyl-propyl-amino) benzene-sulphonamide-α-γ-disulphonate.

VIV PHARMACEUTICALS, LTD., manufacturing chemists, Swan Lane, Winchester, inform us that Viv for varicose veins is now marketed and manufactured by them. This product was introduced by Richardson & Starling, Ltd. The directors of Viv Pharmaceuticals, Ltd., are Messrs. S. A. Richardson and B. J. Starling.

ZENOBIA PERFUMES.—Zenobia, Ltd., Loughborough, Leicestershire, have recently introduced a new packing for English lavender and Devon violets. Orange blossom is a new perfume introduced this year in a new pack. A novelty feature is the



series of Christmas bell-shaped bottles illustrated on a display stand issued free with orders for one dozen assorted bottles. Further details are given in a copiously illustrated brochure entitled "Perfumery Creations of Excellence," copies of which may be had on application. It will be noted that the card on the right is notched to carry two perfume containers.

ADALIN.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, announce that Adalin, the sedative and mild hypnotic, is not subject to poison regulations.

A NEW SEDATIVE PRODUCT.—Illustrated on this page is the new biological non-toxic sedative Serenol, which is the product of Continental Laboratories, Ltd., 30 Marsham Street, London, S.W.1. The formula is disclosed. It is claimed that this product is of value in all chronic acute conditions of nervous excitability. It is issued in 4-oz. bottles only. A brochure describing the product may be obtained on application.



BONUS OFFER.—An attractive bonus offer on all orders for one dozen and over of Iodotab compound iodine tablets is available during October. Iodotab has the advantage that it presents readily tolerated iodine for use in the treatment of rheumatism, gout, etc. It is also claimed that these tablets help to prevent colds and influenza. These

products are made by Clay & Abraham, Ltd., Liverpool, and may be obtained from the usual wholesalers. Further details are given in their announcement elsewhere.

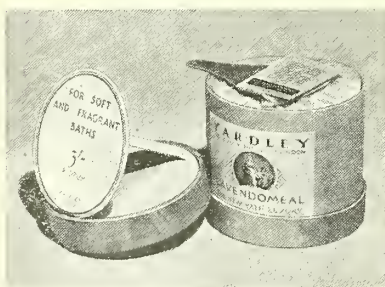
SHAVING BRUSHES.—British-made shaving brushes are offered by Britton, Malcolm & Waymark, Ltd., 38 Southwark Bridge Road, London, S.E.1, for gift or any other time. They illustrate two very popular series, and in addition have a range of all grades.

ADVANCED PRICES.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, inform us of an advance in the prices of Allenbury's milk foods from October 1. New price tickets for affixing on goods bought at the old prices will be supplied on application to the Sales Department at the above address. Prices of Allenbury's No. 3 malted food and Allenbury's diet are not affected.

REDUCED PRICES.—An important announcement by Parfums Chanel, Ltd., Standbrook House, 2-5 Old Bond Street, London, W.1, appears in our advertisement pages relating to the reduced retail and trade prices of these attractive perfumery products. These reductions are made possible by the depreciation in the French currency. Chemists are invited to write for the new price list to Parfums Chanel, Ltd.

WEIGHING MACHINES.—With the present-day interest shown in health matters, the public is more than ever concerned with their personal weight. Interest in this direction is stimulated by George Salter & Co., Ltd., West Bromwich, manufacturers of personal wares, baby scales and dietary scales, by means of advertising in suitable publications. Show material is also provided for the use of the trade. Some of these wares suggest themselves as suitable for Christmas gifts, notably the Grosvenor and bathroom personal weighers, and the baby and dietary or mixing scales, details of which are provided in a brochure which is obtainable on application.

SHOWCARD TO FIT LID.—Lavendomeal is now issued by Yardley & Co., Ltd., Sackville House, Piccadilly, London, W.1, in wooden barrels accompanied by a circular showcard that fits into the natural recess of the lid. A simple strut enables it to be erected on top of the barrel.



DOLPHIN HOT WATER BOTTLES.—Cannon Rubber Manufacturers, Ltd., Cannon Works, 5A Welbourne

Road, Tottenham, N.17, issue two patterns of moulded hot water bottle for sale by chemists. Both types carry a maker's guarantee.

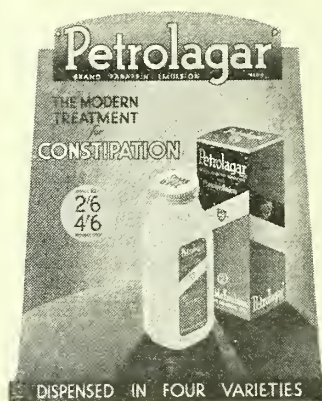
STAINLESS STEEL SINKS.—L. J. Hydleman & Co., Chapel Street, Moorgate, London, E.C.2, have issued their new list of Dane stainless steel sinks and units, of which they are the sole distributors. All Dane sinks are pressed entirely seamless from stainless steel and are becoming increasingly popular in this country. They are widely used in hospitals and new buildings generally in America and on the Continent.

A SEASONABLE PREPARATION.—A new showcard is illustrated in our advertisement pages relating to Radio-Malt, which is now coming into seasonal demand. This new showcard will be sent to any pharmacist on request to assist him in advancing sales of this profitable product. Radio-Malt is a product of The British Drug Houses, Ltd., Graham Street, City Road, London, N.1.

SHOP COMFORT.—Adequate warmth for shoppers as well as for the staff can easily and inexpensively be provided by the use of the gas-heating units manufactured by John Wright & Co., Ltd., Essex Works, Ashton, Birmingham 6. Elsewhere in this issue they direct special attention to the Console cabinet radiator, which is so designed as to give maximum heating efficiency. It is made in six sizes, which give a choice of three heights and two widths. The Luma heater is described as an outstanding development in gas-heating, this heater being capable of giving a 100 per cent. efficiency. Its exterior is cool, and it can thus be placed against a panel or painted wall—which is an obvious advantage. There are four attractive colour finishes from which a selection may be made.

PETROLAGAR BONUS OFFER.—During October a special bonus offer of thirteen to the dozen is obtainable through the usual wholesalers in return for a fortnight's display of the new Petrolagar showcard sent direct from the Petrolagar Laboratories, Ltd., Oldhill Street, London, N.16.

BONUS OFFER of thirteen to the dozen is now obtainable on Endrine nasal compound. An additional propaganda effort is now in progress among members of the medical profession. Show material is available for display purposes. Supplies may be obtained through the leading wholesalers, the bonus bottle and show material being sent direct from John Wyeth & Brother, Ltd., 25 Oldhill Place, London, N.16, the newly formed associated company of Petrolagar Laboratories, Ltd.



NATIONAL SAVINGS.—An announcement by the National Savings Committee appears this week in our advertisement pages, offering to send a representative to any firm wishing to take part in the National Savings Scheme. Every assistance is given in starting the scheme.

NEW CONTAINER FOR NUFIX.—In order to overcome the difficulties of using haircream packed in ordinary bottles, Walden & Co. (Nufix), Ltd., Rookery Way, The Hyde, Hendon, London, N.W.9, are now packing Nufix in a wide-mouthed bottle which enables the dressing to be easily extracted. The new packing is an attractive one and lends itself admirably to counter or window display.

BOURNVITA, which is advertised in this issue, may well be described as the ideal food-drink, since it presents the nutritious elements from various sources in a pleasant form which is delightful to take. It is issued in three sizes and is in steady demand. Selling points in its favour are outlined.—We have received from Messrs. Cadbury a copy of their booklet "Vitamin D in Cacao Shell," in which are included reports on recent researches and investigations into its use as an accessory fodder. This booklet is issued by the Publication Department, Bournville, price 1s. It includes a series of reprints from various publications and is edited by the Chief Chemist, Mr. A. W. Knapp, B.Sc., F.I.C., M.I.Chem.E.

Births

Notices for insertion in this column must be properly authenticated.

JONES.—At 40 Commercial Road, Kirkstall, Leeds, 5, on September 21, Amy, the wife of Frank A. A. Jones, M.P.S., of a daughter.

Marriages

LIVIE—LUDDINGTON.—At All Saints' Church, Bedford, on September 25, David McLeod Livie, M.P.S., son of Mr. C. A. Livie, M.P.S., Camberwell, London, S.E., to Alice Margaret, youngest daughter of Mr. Luddington, Bedford.

MALCOLM—FERGUSON.—At the Burlington House, Glasgow, on September 25, Alexander McLeod Malcolm, M.P.S., Milngavie, to Annie Simpson Ferguson, M.P.S., Forres.

MALLEN—KILFEATHER.—At Berkley Road Church, Dublin, on September 23, F. Maurice Mallen, M.P.S.I., to Anne Kilfeather.

SHERRATT—SWAINSON.—At St. Cuthbert's Church, Lytham, on September 22, William Gaythorne Sherratt, M.P.S., to Joyce Enid Swainson.

WEAVER—CATCHPOLE.—On September 21, Frank, son of Mr. F. W. Weaver (director of F. W. Hampshire & Co., Ltd., Derby), to Irene Catchpole.

Deaths

CALLAWAY.—At St. Bartholomew's Hospital, London, E.C.1, on September 25, following an accident, Mr. Percy R. Callaway, aged sixty-one. Mr. Callaway joined Potter & Clarke, Ltd., Artillery Lane, E.1, in 1896, and for many years represented them in London and the West Country.

HOGG.—On September 25, Mr. Andrew Hogg, retired chemist and druggist, for nearly fifty years in business at Leven, Fife, aged eighty-five. Mr. Hogg took a prominent part in the affairs of the town; he was chairman of Leven Gas Co., and a prominent bowler. Mr. Hogg is survived by a son.

HUMPHRY.—At Dartmouth Cottage Hospital, on September 25, Mr. Hubert Humphry, J.P., L.D.S. R.C.S.Eng., M.P.S., 2 Fairfax Place, aged fifty. Mr. Humphry was a vice-president of Dartmouth Literary and Debating Society and a Past-Master of Dart Lodge. He leaves a widow and a son.

KIRBY.—On September 22, suddenly, Mr. William Kirby, M.P.S., "Treflys," 19 Bank Hall Lane, Hale, Cheshire, partner of Mr. Gordon Smith, M.P.S., 203 Ashley Road, Hale.

ROBINSON.—At 14 Kinnaird Street, Belfast, on September 26, Mr. John Berryhill Robinson, Ph.C. Mr. Robinson was registered with the Pharmaceutical Society of Ireland in 1887, and for many years carried on the Dupacain Medical Hall, Antrim Road, under the style of Robinson & Allen, with a branch in Oldpark Road.

Personalities

ALDERMAN W. J. BROWN, Ph.C., Ludlow, is Mayor-elect of the borough.

MR. ARTHUR URWIN (Urwin & Co., chemical manufacturers, Manors, Newcastle-upon-Tyne) has presented a trophy for competition in air-raid precautions work among the nursing divisions in the Northumberland and Durham area.

We have received this week from Mr. Herbert Skinner, Ph.C., a past-president of the Pharmaceutical Society, a communication written from Seattle, Washington, U.S.A. Mr. Skinner had previously been in Vancouver, and was shortly leaving for Chicago and New York. He is due to sail for home on October 2.

Business Changes

DAVY'S DRUG STORES (PENGE), LTD., chemists, have opened a branch at 2 Eden Park Avenue, Beckenham, Kent.

MR. J. L. WISSETT, chemist and druggist, is removing to new premises at 6 Elms Parade, Old Botley, Oxford.

BOOTS, LTD., will shortly open a branch in a new shopping area in Kirkcaldy.

THE EARLY CLOSING ASSOCIATION have removed to 1-3 St. Paul's Churchyard, London, E.C.4.

DRUG HOUSES OF AUSTRALIA EXPORT, LTD., Australia House, Strand, London, W.C.2, announce certain changes in the directorate. Mr. L. A. Poole retired from the managing directorship on October 1, his place being taken by Mr. F. W. Grimwade. Mr. A. T. Butters (secretary) and Mr. J. M. Edwards (chief buyer) have also been appointed to the board. Mr. Poole returns to his former position of managing director of Taylors, Elliotts & Australian Drug Proprietary, Ltd., Brisbane, and director of Drug Houses of Australia, Ltd., Melbourne.

Recent Wills

MR. JAMES NELSON MILLS, 18 Cranmore Avenue, Great Crosby, Lancs, chemist and druggist, who died intestate on April 3 last, aged forty-six, has left estate gross value £2,978, with net personalty £2,136.

MR. FRANCIS MOORE-CARDWELL, Castle Fields, Rastrick, Brighouse, Yorks, pharmaceutical chemist, died on December 13 last, aged seventy-three, leaving property gross value £8,391, with net personalty £3,126.

MR. WILLIAM PIERCE WILLIAMS, Post Office, Llanberis, Carnarvon, retired chemist and druggist, who died on August 21, 1936, aged seventy, has left estate gross value £2,218, with net personalty £2,182.

MR. ANTHONY McMILLAN, M.P.S., 46 Caldercuilt Road, Maryhill, Glasgow, proprietor of William Simpson & Co., pharmacists, who died on February 15 last, aged seventy-two, left personal estate in Great Britain valued at £5,689.

MR. SQUIRE TAYLOR, Ainsworth Hall, Ainsworth, near Bolton, Lancs, managing director of J. Spencer Ashworth, chemical manufacturers, of Radcliffe, who died intestate on July 26 last, left £1,831, with net personalty £1,391.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, October 5

Pharmaceutical Society, Leeds and District Branch, Stratford Arms Hotel, Wakefield, at 8.30 p.m. Meeting.

Wimbledon and District Pharmacists' Association and Branches, Town Hall, Wimbledon, at 8.30 p.m. First annual meeting.

Wednesday, October 6

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C.1, at 3 p.m. Opening of School session. Address by Sir Humphry Rolleston, Bt., G.C.V.O., K.C.B.

Pharmaceutical Society, Exeter and District Branch, Rougemont Hotel, Exeter, at 3.30 p.m. Commander E. D. Marston (County Organiser), on "Air Raid Precautions as Affecting Pharmacists."

Thursday, October 7

Pharmaceutical Society, Tees-side Branch, Cleveland Technical Institute, Corporation Road, Middlesbrough, at 8.15 p.m. Air Commodore Godman, C.M.G., D.S.O. (county director, British Red Cross Society), on "Air Raid Precautions and Gas Defence."

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Dr. Herbert Eason, C.M.G. (Principal, London University), on "Old Pharmacopoeias and New."

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"Counter Prescribing"

The age-old right of chemists to 'counter-prescribe' is preserved to them under Sec. 19 (1) (c) of The Pharmacy and Poisons Act, 1933.

The latest edition of "DISEASES AND REMEDIES" is an invaluable standby in this connection. It provides a host of tested formulas in accordance with modern medical practice, as well as an alphabetical arrangement of diseases.

It is the Chemists' Guide to modern medical practice.

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The Publisher,

THE CHEMIST AND DRUGGIST
 28 Essex Street, Strand, London, W.C.2

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

- | | |
|--|------------------------------|
| F/18. Baker's grape saline | C/28. Metaform |
| B/27. Ciobene | D/23. Sanoseal rubber dress- |
| R/27. Dermocene | bandages |
| D/42. K.L.X. tablets (present address) | A/21. Sobe food |
| W/27. Marvel hair-wavers | F/28. Vitalibut capsules |

THE CHEMIST AND DRUGGIST

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October 2, 1937

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This Week of Health

AN important event in the national campaign to encourage a wider use of the health services will have been officially launched by the Prime Minister, in a broadcast speech, by the time this issue is published. The campaign is organised by the Central Council for Health Education with the co-operation of the Ministry of Health, and will continue for six months. In connexion with the campaign, a joint message has been issued to local authorities by the Ministry of Health and the Board of Education. This message points out that some of the services are undoubtedly not being used to the desired extent, and the help of the family doctor is often invoked too late. It is intended, therefore, that during October an intensive effort be made to arouse public interest in the health services in general, and if possible health weeks and exhibitions will be arranged. Special propaganda will be launched during November and December to encourage the use of the services available for mothers and children at ante-natal clinics, welfare centres and elsewhere. Other programmes are arranged for the succeeding months up to March. All political parties are co-operating in the campaign, and an extensive use is also likely to be made of posters and films.

This drive for better health is greatly to be commended. It would, indeed, be unfortunate if its main result were to make the public still more medicine-conscious, regarding the medicine bottle as the fundamental and unalterable placebo for their ailments. From the chemist's point of view, this would be doubly regrettable, since it would still further deplete the drug fund which is so antiquated in conception and unfair in application. The real danger of the nation becoming more drug-minded in the future than they have been is confirmed in the speech made by Sir William Marshall, secretary and treasurer of the Scottish Association of Insurance Committees, who was entertained at a compli-

mentary dinner on September 24 on the occasion of the annual conference of the Scottish Association of Insurance Committees at Oban. Sir William is reported to have said that we are wasting in drugs twice as much money as could establish diagnostic centres throughout the whole country. There had been an increase of 50 per cent. in the years 1932 to 1936 in the number of prescriptions throughout the country, and the increased cost of this was over £50,000. The psychological import of this over-drugging of the population is, as Sir William pointed out, more than a matter of expense, and it is disquieting for the pharmacist looking on to reflect that the insured population must undergo a process of education, both physical and mental, before any change in the psychological attitude of the mass towards the medicine bottle can be altered.

In view of the forthcoming addition in January of the younger members of the population to the number of insured persons, it is of interest to note that from 1932 to 1936 there has been an increase of 50 per cent. in the number of chronic patients under thirty-five years of age. The striking phenomenon in these cases is the gradual increase in nervous diseases. Whatever may be the causes (and these were touched upon by Dr. McGregor, medical officer of health for Glasgow), one is bound to agree with the view expressed that the emphasis now being laid on the importance of medicine in social life is apt to breed in many people morbid and introspective tendencies. While these points refer especially to Scotland, there is no reason to believe that conditions differ greatly in other parts of the kingdom; and however precarious the rate of payment from the drug fund may be, it is obvious that unless something practical is done on his behalf, the pharmacist is likely to suffer further reductions in the discounting of accounts.

Passing from a general review of ill-health to a consideration of a particular disease, it is noteworthy to record that in regard to rheumatism, research work on causative factors will be begun this year. It may be recalled that an Empire Rheumatism Council was founded in October, 1936, with Lord Horder as chairman; and in a statement to members, Lord Horder reports that the most important result of its efforts has apparently been to awaken the public to the real seriousness of rheumatic disease. Research workers in various centres will be financed for seven years by the gift of £13,000 by Mr. Alexander Maclean. It can be anticipated, therefore, that some advances may be expected in the near future in regard to more scientific methods of treatment.

The alleged suggestion which met with the disapproval of the Medical Benefit Sub-Committee of the Glamorgan Insurance Committee regarding the disposal of the bulk of the amount accumulated and known as the "unclaimed proceeds of stamp sales" has now been explained by the Ministry of Health. It was stated that a certain sum is to be handed over for post-graduate courses (nearer £3,000, not £3,000,000) to the British Medical Association. Under the existing statute, nine-tenths of the surplus fund—the accumulation of the value of stamps which have not been returned to anybody's account—goes into the central fund after a reasonable reserve has been deducted to meet possible claims. The remaining tenth, which amounts to something like £20,000 or £30,000, is used as a joint committee, consisting of representatives of England, Scotland, Wales, and Northern Ireland, decides. The post-graduate refresher courses are among the items on which the joint committee had agreed to spend money. Surrounded by

his veritable sea of fluid money available for sundry purposes, it will be surprising if pharmacists do not become rather more than restive if the attempt to fob them off with a bankrupt drug fund is repeated when next the matter of payment for service is considered.

Opening of the Speech Season

THE month of October marks the opening of the six months' session to be held throughout the country. Visits from the new pharmaceutical councillors especially will be looked forward to with interest, as at no time, perhaps, has there been such need of contact between the official representatives and their electors. In our correspondence pages this week a letter appears from a recently formed association of pharmacists who are desirous of seeing something tangible accrue from official efforts on behalf of the trade. At this stage it is necessary only to reiterate the suggestion that the newer councillors should be encouraged by seeing greater attendances at the meetings. There is a prevailing feeling—and it is especially noticeable amongst the older members of the Council—that the new members are too inexperienced to be of much service to pharmacy, and further that their best procedure is to emulate Brer Rabbit and lie low, saying nothing. It is unfortunately the case that certain councillors appear to have fallen in with this view; and it is to be hoped that, whatever the reception of newer councillors may be within the purlieus of Bloomsbury Square, there can be no mistake as to the measure of welcome accorded by the ordinary pharmacist. However, the newer councillors must convince their audiences that they have in fact a plan for pharmacy which they intend to carry through.

The time has passed when the sole purpose of a meeting was to get pharmacists together. For example, pharmacy is committed to the new building; it would be interesting to know what effect the rising cost of raw materials has on the original estimate, and whether the upkeep of the building will mean higher fees from pharmacists. Other questions which arise are: Is the considerable expenditure on the Pharmacological Laboratories, the College and so on warranted? What return can pharmacy expect from continued annual expenditure on such a scale? The British Medical Association does not find it necessary to run educational colleges, and in these days of public education it should not be necessary for pharmacy to carry such a heavy load. During the winter session opportunities are given to enlighten pharmacists on the official programme for the betterment of conditions. On the other hand, pharmacists to-day are suffering from the *laissez-faire* attitude of previous generations of pharmacists who never troubled to vote. Conditions have changed drastically, but the apathy continues, the reason which is put forward being that the newer men are unknown. Now is the time for younger members of the Council and aspirants to Council honours to take advantage of their opportunity to achieve platform and Press publicity for their plans. The trade in general should not allow apathy to thwart future pharmaceutical progress as did the pharmacists of a previous generation, an apathy for which the present-day pharmacist is paying the price.

Advertising Ventures

In a recent issue of the *C. & D.* (August 21, p. 229) attention was directed to the opticians' five-year plan in regard to advertising their business. It is of interest to note that the meat

trade also proposes to launch out on similar lines. At the conference of the National Federation of Meat Traders' Associations held at Buxton on September 28 a resolution was passed in favour of a large and comprehensive scheme for the advertising of meat. It was suggested by the president that a scheme to spend £100,000 a year on advertising would scarcely be felt by the retail trader, whose share of the cost would hardly exceed 10d. per £100 worth of meat that passed through his shop. As a result of this, no doubt in the near future a new slogan on the lines perhaps of "Munch More Meat" will take its place with those favoured by other trading organisations who urge people to "Say it with Flowers," "Drink More Milk," and so on. Even the medical profession is infected with the advertising virus. For the first time in its history the British Medical Association has made a direct appeal to the public through an advertisement in the daily Press of September 30. Pharmaceutical efforts do not appear to have been strikingly successful in the past; after all, it may have been the scheme that was faulty and not the will of pharmacists themselves to launch a scheme of collective publicity. Whether or not the scheme outlined by Mr. Howells, member of the Pharmaceutical Society's Council, at the meeting of the Thames Valley Chemists' Association on September 28 has anything to commend it should perhaps be left for pharmacists to decide. It is, however, difficult to accept it seriously. Yet it should not be beyond the wit of trade leaders to formulate plans for advertising pharmacy effectively.

Far East Contracts

For some weeks past the bulk of the ordinary commercial shipment business from some China ports, particularly from Shanghai, has ceased. It is doubtful whether shippers will now find it possible to effect shipment against contracts made when conditions were normal, before the dispute between China and Japan developed to its present deplorable state, and they may have no alternative but to seek relief from their commitments by bringing into operation the *force majeure* clause in their contracts. It is, in view of these circumstances, of interest to learn that isolated shipment offers have recently been received from Shanghai houses and, according to reports, actual orders have been accepted. The sellers must be aware of the present conditions at the chief China ports, and, in the event of their being unable to effect shipment against these new contracts, it seems rather doubtful if they would be in a position successfully to claim relief by way of *force majeure*. It is probable that the parties to such contracts have come to an agreement in which good faith is the basis of the business. The buyers may have been content to place their orders in the hope of eventually getting their goods for which there would be a ready demand here.

Advance in Honey

WITH the winter season now approaching the recent developments in the HONEY market are of interest. All through the early summer months the demand was slow and the general tone of the market none too healthy. During the past few weeks business has been on quite a good scale, with the result that stocks are now well below normal. The Jamaican product has been of chief interest, and the remaining stocks here are now firmly held at the advance recorded in the Trade Report. Some Californian white clover is also available. With the possible exception of one parcel of extra white there are no supplies of Canadian left on spot. Stocks of other descriptions, such as San Domingo, Cuban, etc., are also reported to have been sold out. The first arrivals of the new crops of Canadian, which has previously been reported as being short this season, Cuban, Californian, etc., are due here very shortly and should relieve the position as regards supplies, but it seems that prices are likely to be at least steadily maintained at the current levels for the remainder of this season.

Scottish N.H.I. Drug Accounts

THE latest annual report of the Drug Accounts Committee (Scotland), submitted at the annual conference of Insurance Committees held at Oban on September 24 and 25, covers the year 1936 and is signed by Mr. A. B. Gilmour, superintendent of the Central Checking Bureau, Glasgow. A comparative statement for the years 1935 and 1936 shows (omitting shillings and pence) that the value of the prescription-forms received from the fifty-four Insurance Committees during the past year is (exclusive of the cost of insulin) £169,344, an increase of £7,812 on the previous year's amount and a record sum. The average price per prescription-form shows an increase of 0.28d. on that for 1935, and is now 13.6d. The Bureau also prices prescriptions for local authorities of several kinds, for the Ministry of Pensions, for public medical services and for Northern Ireland, bringing the total number of forms to 4,200,990 and the total cost involved to £256,158. The corresponding figures for the previous year are 3,930,944 and £233,003.

The following index numbers show the variations in cost of drugs and appliances since the formation of the Bureau. The figures in the second table have been modified by the elimination of the increase in the dispensing fees, which took effect as from January 1, 1920. (Every year is shown in the original table.)

Year	Index numbers Table 1	Index numbers Table 2	Year	Index numbers Table 1	Index numbers Table 2
1915	100.00	100.00	1932	180.03	134.42
1918	106.28	106.28	1933	175.14	130.87
1920	160.19	127.96	1934	169.72	127.21
1925	174.05	132.77	1935	179.12	134.47
1930	168.37	126.02	1936	187.78	141.95
1931	167.72	124.89			

The cost of insulin is not included in these figures.

The following statement (abridged from the original table) shows the number of chemists' accounts prepared for insurance committees in Scotland during the past seventeen years:—

Year	Burghs	Counties	Totals	Increase
1919	7,471	8,679	16,150	—
1920	8,323	9,659	17,982	1,832
1925	9,915	11,782	21,697	693
1930	11,513	12,834	24,347	301
1931	11,765	13,211	24,976	629
1932	11,952	13,648	25,600	624
1933	12,101	13,540	25,641	41
1934	12,706	14,420	27,126	1,485
1935	3,077	15,012	28,089	963
1936	13,300	14,988	28,288	199

The following statement records the work done at the Central Checking Bureau in accordance with the scheme whereby the Drug Accounts Committee arrange in alphabetical and chronological order those prescriptions which panel committees decide to scrutinise in connexion with alleged extravagant prescribing:

Year	Number of areas	Number of doctors	Number of prescription-forms
1926	13	105	86,231
1927	28	152	105,668
1928	18	118	69,100
1929	12	59	50,452
1930	15	100	88,239
1931	20	122	102,218
1932	17	115	67,088
1933	15	92	50,633
1934	16	87	56,074
1935	13	85	33,226
1936	16	109	65,429

The total amount disbursed in payment for insulin since July 1923 is £85,787, of which sum £7,650 was spent last year and £7,573 in 1935. Elimination of the higher-priced brands has of late been practised, with the result that those in January 1937 represented only 1.76 per cent. of the total expenditure.

For Northern Ireland

The work on behalf of the Ministry of Labour of the Government of Northern Ireland, which was undertaken at the request of the Government of Northern Ireland and with the approval of the Department of Health for Scotland, includes pricing,

scrutinising and reporting on the prescriptions. The following statement shows the number, total value and average price of the prescription-forms issued to insured persons since October 1, 1930:—

Year	Number of forms	Value £ s. d.	Average price
1930 (3 months) ...	183,615	11,838 0 10½	15.47d.
1931 ...	687,892	42,012 15 3	14.65d.
1932 ...	634,386	34,665 7 10½	13.11d.
1933 ...	700,009	38,518 6 0	13.20d.
1934 ...	706,039	39,789 3 5	13.52d.
1935 ...	736,939	42,920 1 6½	13.97d.
1936 ...	772,456	45,611 18 4	14.17d.

Irregularities

The attention of doctors and chemists is again directed in the report to the not uncommon practice of incorrectly altering the name of the area printed on the prescription-form. This irregular procedure involves considerable correspondence and adjustment. In those cases where chemists are under contract with more than one insurance committee, it would be helpful if they would exercise care, so that each packet of prescriptions will only include prescriptions applicable to one committee. Another irregularity is that of sending in prescriptions late and including all the prescriptions in the shop at the date of dispatch. Chemists are accordingly reminded that the monthly packet of prescriptions should only include those applicable to the previous month. Although attention has been directed in previous reports, and otherwise, to irregularities in connexion with the signing of prescription-forms, a considerable amount of time, trouble and expense is still involved in this connexion, and it is again suggested that clerks to insurance committees and panel committees should, on every suitable opportunity, inform practitioners that when engaging a deputy, the deputy should be instructed to write, on each prescription-form, the name of the principal and add his own signature. The following is an abridgment of a table showing irregularities:—

Year	Proprietary ingredients disallowed	Prescription forms disallowed	Stock items disallowed	Unsigned prescription forms	Postponed items on forms
1916	2,687	4,591	1,025	2,758	5,621
1920	1,551	3,404	1,765	1,975	6,450
1925	1,311	2,426	1,694	1,438	6,829
1930	529	2,818	857	1,165	5,558
1931	448	2,551	766	1,098	4,871
1932	275	2,700	788	1,074	5,786
1933	284	2,913	848	1,132	6,253
1934	228	3,247	977	1,012	6,252
1935	239	3,395	933	1,055	6,431
1936	190	3,259	896	996	5,232

Association of Insurance Committees Conference

At the twenty-fifth annual conference of the Scottish Association of Insurance Committees Mr. A. A. Ritchie stated that from the reports of the Department of Health on sickness in the insured population of Scotland they knew that 2,254,949 incapacities terminated during the six years ended on June 30, 1936. Was it not tragic to think, he asked, that the splendid discoveries and achievements in the realms of medical and surgical science during that period were denied to insured persons, who, without assistance, were unable to obtain advantage of them? The Association had recommended that the medical benefits provided under the Act should be extended to include constant and specialist services, laboratory and diagnostic facilities. They had recommended that the medical benefit available to insured persons should also be available to their dependants. They still made those recommendations. By the reduction in the State grant, National Health Insurance funds in Scotland had been deprived to December 31 last of £2,660,000. The restoration of the cut would give an additional annual income to National Health Insurance funds in Scotland of at least £248,500. Sir William Marshall, secretary and treasurer of the Association, said they were wasting in drugs twice as much money as would establish diagnostic centres throughout the whole country.

Trade Marks (Amendment) Act, 1937

By a Barrister

THE new Trade Marks Act introduces a number of amendments to the previous law and embodies a number of the recommendations of the Departmental Committee which was constituted to consider the working of the earlier Trade Marks Act. It would be impracticable in the course of an article to deal with all the alterations that have been made, and we confine ourselves to a consideration of the salient features of the new Act.

Definition of a Trade Mark

The Committee, it is to be observed, rejected the suggestion that the definition of "mark" should be enlarged so as to include wrappers and containers, but it recommended several amendments with regard to the definition of a "trade mark." In the first place, "certification trade marks" (which were previously dealt with by S. 62 of the principal Act and are now dealt with in S. 18 of the 1937 Act) are separately defined in S. 1 (1) of the 1937 Act. Secondly, the old definition connoted a physical connexion between the mark and the goods, thus unduly restricting what should be regarded as legitimate "trade mark use." The present definition will cover all uses in relationship to the goods, whether or not that use is physical. And it will cover accordingly uses in advertisements of the goods. Thirdly, in order to stop the practice of the registration of trade marks by persons with the intention not of using the trade marks themselves but merely of selling them, provision is now made that the applicant for registration must himself have used, or must himself propose to use, the mark to indicate a connexion in the course of the trade between himself and the goods. This requirement, however, is relaxed in two instances. It is to be noted that under S. 8 of the new Act a registered proprietor, even though he does not trade, is entitled to apply to the Registrar; that a third person may be entered on the Register as a registered user of the trade mark. In such a case the mark must be registered in the name of one of the persons who does, in fact, propose to use it, i.e., the registered user. Again, marks may no longer be registered to persons who, though intending to use the marks, do not actually trade, such as insurance companies, and marks can only be registered to persons actually having some relation to goods in the course of trade, and for this purpose the connexion between the proprietor of the mark and the goods must have a connexion "in the course of trade." The new definition also incorporates the ruling of the House of Lords in *Bass, Ratcliffe & Gretton, Ltd. v. Nicholson & Sons, Ltd.* (49 R.P.C. at p. 109) to the effect that, in order that a mark should qualify for registration, it is not essential that there should be any deliberate resolution by the user of the mark in using the mark to indicate the origin of the goods, and that it is sufficient if in practice the mark has in fact been so used as to denote the origin of the goods.

Registrability in Part A of the Register

One of the changes made by the 1919 Act was to divide the Register into two parts—A and B—the latter being the new part and conferring lesser rights in that it only affords *prima facie* and not conclusive evidence that the proprietor has the exclusive right to the use of the trade mark even after seven years' registration. S. 2 of the 1937 Act introduces certain amendments with regard to "distinctiveness." The definition is intended to make it clear that it means "adapted to distinguish the goods of the proprietor of the trade mark" from those of other persons either generally or in any home or export market or markets to which the registration may be limited. Further, in order to prove distinctiveness, it is now clear that evidence may be given of other matters (besides user as a trade mark) tending to render the mark distinctive, and this will be the position whether or not the trade mark is in actual use.

Registrability in Part B of the Register

The introduction of Part B of the Register was intended to meet the disadvantages suffered by British firms abroad in being unable to register marks abroad and thereby to receive foreign

protection in those cases where the foreign country refused to recognise a trade mark which had not previously been registered in the country of origin. Part B therefore enabled those marks which had not the essential qualities for registration in the main Register (Register A) to enjoy registration of a lower kind, the main requirements for registration in Part B being that the mark must have been used for not less than two years as a trade mark in this country upon or in connexion with goods for sale here or for export, and must have been capable of distinguishing the applicant's goods. The requirement of two years' user subjected British export firms to the risk of having their marks appropriated abroad before their marks could qualify for registration here and thus secure protection abroad. This requirement has accordingly been now dispensed with. Further, it was felt that the requirement as to distinctiveness kept off the Register, and thus denied foreign protection to, many marks which in British trade interests should be protected.

The Act still retains the requirement of distinctiveness, but with certain relaxations. It will now be sufficient if the mark is "capable" (not "adapted," as in the case of marks registrable under Table A) of distinguishing the applicant's goods either generally or in any home or export market or markets to which the registration may be limited. And in determining whether a trade mark is so capable, the tribunal may also regard the extent to which uses of the mark or any other circumstance has in fact rendered the trade mark so capable of distinguishing the goods with which the proprietor of the mark is or may be connected in the course of trade.

Use of Trade Marks Descriptively

It is well settled that a word which is or has become the name by which an article is commonly known is not registrable as a trade mark, on the grounds that such a word is not adapted to distinguish the applicant's articles from the articles of other persons, and that if such registration were permitted the applicant would virtually acquire a monopoly of the sale of the articles in question. A certain amount of relaxation of this rule, as embodied in the common law and S. 6 of the 1919 Act, is now permitted by S. 4 of the new Act. Under that Section registration of a mark is not to be rendered invalid by reason of the fact that the word or words constituting the trade mark or a part of it has become used as the name and description of an article or substance except in the two following cases, viz., (1) Where it is proved, *inter alia*, that there is a well-established use of the word or words in the course of trade by some person other than the proprietor of the mark or a registered user to describe in the trade the particular article or substance, not being goods having any connexion in the course of trade with the proprietor of the trade mark or a registered user, and (2) in the case of patented articles, where it is shown at any time after the end of two years from the date of the expiry of the patent protection, that the mark is at that date the only practicable name of the article or substance. In each of these two cases the registration will be deemed to have been an entry wrongly remaining on the Register if the mark consists *solely* of the word or words in question; but if the mark consists partly of that word or words the Registrar and the Court will have a discretion as to whether the mark should remain on the Register, and they may attach certain conditions to the retention of the mark. Subsection (2) of S. 6 of the 1919 Act contained, moreover, further restrictions on the registration as trade marks of words denoting any single chemical element or single chemical compound. For this purpose one must now consider what is the commonly used and accepted name of the element or compound, but the prohibition is restricted to the registration of such trade marks in respect only of a chemical substance or preparation and not generally as before. It is further expressly provided that the above prohibition is not to extend to words used only to denote a brand or make of the element or compound as made by the proprietor or registered user of the mark, as distinguished from the element or compound as used by others, and in association with a suitable name or description open to the public use.

Assignment of Trade Marks

The assignability of trade marks is a matter which has been recently examined (*C. & D.*, July 10, p. 43). The alterations proposed by the Bill and now effected by the Act were there noted. It will suffice our present purpose if we again draw attention to the fact that a registered trade mark will be assignable even though the goodwill of the business in which it is being used is not transferred at the same time. Furthermore, a registered trade mark will now be assignable even in respect of some of the goods in respect of which the mark was registered, e.g., in respect of goods to be sold in the United Kingdom only, or in respect of goods to be exported from the United Kingdom only. Both these new alterations of the law, moreover, have a retrospective operation to a certain extent.

Registered Users

As already noted, when considering the new definition of "trade mark" a proprietor of a mark is now empowered, subject to certain limitations (*see* S. 8 of the 1937 Act), to authorise other persons to use his mark, and such use by others will no longer render the mark invalid on the ground that it had ceased to distinguish the goods of the proprietor. The procedure indicated by S. 8 of this Act, however, must be followed if the proprietor desires to protect his mark at the same time. For this purpose the registered proprietor must make an application to the Registrar to have the third person registered as a registered user of the mark. The application must be supported by a statutory declaration containing the particulars required by S. 8 (4) of the 1937 Act. The Registrar may require further evidence, oral and/or documentary, and he will grant the application if he is satisfied that it will not be contrary to the public interest. The Registrar may impose limitations or conditions as to mode or place of user or otherwise. The registered user will thereupon be entitled to use the mark, and he will also be protected against any infringement of the mark, for he will be entitled to call upon the proprietor to take infringement proceedings, and on default he will be entitled to take proceedings himself. The rights of a registered user will not, however, be assignable. For the purpose of the Trade Marks Act or the common law, however, the mark will be deemed to be used by the proprietor even though a third person is entitled to use the mark as a registered user. Thus it will not be possible for a third person to have the mark removed from the register because of non-use by the registered proprietor (*see* S. 12 of the 1937 Act), nor will the registered user be entitled to be registered as a co-proprietor subsequently on the ground of concurrent user. And, as already stated, proceedings for infringement will properly be brought in the name of the proprietor.

Associated Trade Marks

Associated trade marks consist of (1) a set of trade marks closely resembling each other belonging to the same applicant which are directed under S. 21 of the Trade Marks Act to be registered as "associated trade marks," (2) a set of trade marks constituted by the separate registration of one or more parts of a trade mark (under S. 25), and (3) a series of trade marks registered under S. 26. Provision is now made for the dissolution of associated trade marks on application to the Registrar in cases where he is satisfied that there is no likelihood of any deception or confusion being caused by the use of the associated marks by different persons. Again, whereas the scope of S. 24 was confined to cases where one of the associated marks was already on the Register, the other not being on the Register, under S. 9 of the 1937 Act its scope has been extended to all cases of closely resembling marks whether registered or about to be registered. Again, under the old Section 24, association could be ordered only upon application for registration; under the present S. 9 it may be ordered at any time—even though there is no application for registration. S. 9 (4) of the 1937 Act, moreover, provides for association in a further case, viz. where a mark registered in Part B is similar to another mark registered to the same proprietor for similar goods and the registration in Part B has been ordered pursuant to S. 2 (2) of the 1919 Act, subject to the condition that the Part B mark and the other mark shall be assignable only as a whole and not separately. In such a case the trade marks will now be deemed to be associated marks.

Defensive Trade Marks

A number of marks have become so well known in connection with certain goods that the use of the mark in relation to other goods is likely to cause confusion even though the latter goods are of an entirely different description from the goods in connexion with which the mark has been registered and used. Under the existing law such a mark could not be registered by the proprietor in respect of other goods of a different description in connexion with which the proprietor had no intention to use the marks, for the very good reason perhaps that he did not and would not trade in such other goods. Under S. 13 of the 1937 Act such a mark, however, may be registrable by the proprietor as a general trade mark for all classes of goods and will not be rendered invalid on the ground that the proprietor had no intention to use the mark in respect of some of his goods, and had not in fact so used it. Such marks are described as "defensive trade marks," but the right to register a mark as such is limited. Only marks consisting of an invented word or words may be so registered, and then only if they have become so well known as regards any goods in respect of which they have been registered and used, that the use of the mark in relation to other goods would be likely to be taken as indicating a connexion in the course of trade between those goods and the registered proprietor of the mark. There are certain other conditions which are imposed, and these will be found in subsections (2)–(6) of S. 13.

Hitherto there has been some doubt as to whether application of the mark to goods to be exported solely will constitute a sufficient trade mark user (*see* *Reddaway's Case*, 42 R.P.C. at pp. 240-1 and contrast with 44 R.P.C. at p. 37). S. 14 (1) of the 1937 Act now makes it clear that such sole application of the mark (in the United Kingdom) to goods to be exported will constitute a sufficient trade mark user. A trade mark which is intended to be thus applied only may, moreover, be registered.

Connexion between Proprietor of Mark and Goods

Subs. (2) of S. 14 resolves some of the doubts hitherto existing as to whether a mark would be liable to cancellation when there is a change in the nature of the connexion between the proprietor of the mark and his goods, as, for example, when the proprietor uses his mark in relation to goods made by third persons to his order instead of in relation to goods of his own manufacture as previously, and S. 14 (2) now provides that so long as the relationship between the proprietor of a registered mark and goods bearing such mark remains within the statutory definition of a trade mark, no change in that relationship is to render the mark liable to cancellation. In this connexion it would be as well also to note the altered definition of trade mark; this new definition employs the much wider expression "*connexion in course of trade*" in lieu of the expression in the old definition of "*connexion . . . by virtue of manufacture, selection, certification, dealing with, or offering for sale.*"

False Representations as to Registration

Certain amendments to S. 67 of the Act dealing with false representations as to the registration of trade marks are introduced by S. 21 of the 1937 Act. Not only is it an offence to represent a trade mark to be registered when it is not, but offences will be committed in the following cases as well, viz.: (1) by representing that part of a registered trade mark is separately registered when it is not. Thus in the case of a mark consisting of distinctive and indistinctive panels, it would be an offence to represent that the latter were registered. (2) By representing that the mark is registered for one kind of goods when it is registered in fact for a different kind. (3) In the case of marks registered subject to geographical limitations, by representing that it is free of any one or more of such limitations. Subs. (2) of S. 21 also makes it clear that "registered" for the above purposes means that the mark is registered in the United Kingdom unless the word or words used to express or imply registration are of such a nature or are accompanied by such clear and legible words as to indicate some other country in which the mark is in fact registered, or unless the mark is applied only to goods to be exported to another country in which the mark is in fact registered.

Fixatives in Perfumery

THE public to-day demand perfumes which will "last," and this property is brought about by the judicious addition of suitable substances which when added to a perfume "fix" the more volatile ingredients. They also equalise the different rates of evaporation of the various ingredients of the perfume, causing it to evaporate more slowly and as one blended body, so that it remains unchanged in odour to the last. The art of fixation depends upon the discreet selection and judicious use of the right fixatives, from the large number of substances available. As a guide it may be said that the correct fixatives to use in a particular instance will be those that, while fixing the perfume satisfactorily, also blend with, but do not change, its basic odour. Upon the success attending fixation will depend the life of the perfume. Fixatives may be divided into two groups—natural and synthetic. Such substances as isolates have for convenience been classed with the synthetics, in the suggestions given below. The natural fixatives include such substances as essential oils, resins, oleo-resins, gums and balsams. Specially refined preparations of these, known commercially as "resinoids," may also be classed in this group. The resinoids are more soluble than the original material from which they are manufactured, the insoluble portions having been removed by special processes. The perfumer is thus enabled to obtain a product which is standard and highly soluble, and which represents the full odour value of the raw material, without its attendant insoluble portions, the latter having little or no odour value and causing inconvenience by way of cloudiness and sedimentation in the perfume. Finally, in this group there are the animal fixatives—musk, ambergris, castoreum and civet. To-day, owing to the cost of these materials, they have to a large extent been displaced by synthetic substances. The synthetic fixatives include such substances as alcohols, aldehydes, esters, acetals, ketones, lactones, and condensation products such as Schiff's bases. There are also the artificial musks, which are complex nitrated products. The following fixatives are under the perfume name to assist in selecting a suitable combination:—

ACACIA	
<i>Synthetic</i>	<i>Natural</i>
Coumarin	Benzoin resinoid
Methyl naphthyl ketone	Styrax resinoid
Auralol	Myrrh resinoid
Vanillin	Guaiacwood oil
Heliotropin	
Musks	
CARNATION	
<i>Synthetic</i>	<i>Natural</i>
Benzyl Isoeugenol	Styrax resinoid
Eugenol	Tolu resinoid
Isoeugenol	Peru resinoid
Vanillin	Benzoin resinoid
Cinnamic alcohol	
Musks	
FOUGÈRE	
<i>Synthetic</i>	<i>Natural</i>
Coumarin	Benzoin resinoid
Vanillin	Tolu resinoid
Musks	Peru resinoid
Heliotropin	Tonka resinoid
	Oak moss resinoid
CHYPRE	
<i>Synthetic</i>	<i>Natural</i>
Musks	Sandalwood oil
Coumarin	Patchouli oil
Vanillin	Vetiver oil
Heliotropin	Labdanum resinoid
Eugenol	Tolu resinoid
Isoeugenol	Peru resinoid
EAU DE COLOGNE	
<i>Synthetic</i>	<i>Natural</i>
Auralol	Benzoin resinoid
Methyl naphthyl ketone	Styrax resinoid
Methyl anthranilate	Clary sage oil
Methyl cinnamate	
Musks	
Coumarin	
GARDENIA	
<i>Synthetic</i>	<i>Natural</i>
Auralol	Styrax resinoid
Musks	Benzoin resinoid
Isoeugenol	Peru resinoid
Cinnamic alcohol	Tolu resinoid
Hydroxycitronellal	

HYACINTH	
<i>Synthetic</i>	<i>Natural</i>
Paracresol phenylacetate	Styrax resinoid
Phenylacetaldehyde	Peru resinoid
Vanillin	Tolu resinoid
Musks	Benzoin resinoid
Cinnamic alcohol	
Eugenol	
LAVENDER	
<i>Synthetic</i>	<i>Natural</i>
Vanillin	Lavender concrete
Coumarin	Guaiacwood oil
Musks	Benzoin resinoid
Terpinyl propionate	Styrax resinoid
	Oak moss resinoid
	Labdanum resinoid
LILAC	
<i>Synthetic</i>	<i>Natural</i>
Vanillin	Civet
Dimethyl hydroquinone	Sandalwood oil
Methyl anisate	Bois de Rose oil
Coumarin	Benzoin resinoid
Musks	Tonka resinoid
Hydroxycitronellal	
JASMINE	
<i>Synthetic</i>	<i>Natural</i>
Hydroxycitronellal	Sandalwood oil
Methyl anthranilate	Civet
Indol	Styrax resinoid
Linyl anthranilate	Tolu resinoid
Skatol	Peru resinoid
MIMOSA	
<i>Synthetic</i>	<i>Natural</i>
Coumarin	Benzoin resinoid
Methyl naphthyl ketone	Myrrh resinoid
Auralol	Tolu resinoid
Vanillin	Peru resinoid
Heliotropin	Vetiver oil
	Clary sage oil
NARCISSUS	
<i>Synthetic</i>	<i>Natural</i>
Eugenol	Benzoin resinoid
Isoeugenol	Styrax resinoid
Benzyl isoeugenol	Peru resinoid
Cinnamic alcohol	Tolu resinoid
Musks	Civet
Paracresol phenylacetate	
ORIENTAL	
<i>Synthetic</i>	<i>Natural</i>
Coumarin	Myrrh resinoid
Vanillin	Labdanum resinoid
Musks	Onbanum resinoid
Heliotropin	Oak moss resinoid
Benzylidene acetone	Sandalwood oil
Dimethyl hydroquinone	Patchouli oil
	Vetiver oil
VIOLET	
<i>Synthetic</i>	<i>Natural</i>
Heliotropin	Costus oil
Musks	Sandalwood oil
Vanillin	Orris oil
Methyl ionones	Orris concrete
Vetiverol	Orris resinoid
	Cedarwood resinoid
ROSE	
<i>Synthetic</i>	<i>Natural</i>
Benzophenone	Sandalwood oil
Musks	Guaiacwood oil
Cinnamic alcohol	Patchouli oil
Rosindol	Bois de Rose oil
Phenylethyl alcohol	Styrax resinoid
Dimethyl octanol	Tolu resinoid
Hydroxycitronellal	Peru resinoid
WALLFLOWER	
<i>Synthetic</i>	<i>Natural</i>
Eugenol	Styrax resinoid
Isoeugenol	Tolu resinoid
Musks	Peru resinoid
Vanillin	Benzoin resinoid
Heliotropin	Orris oil
Dimethyl hydroquinone	Orris concrete

The proportions of the fixatives used must be left to the discretion of the individual perfumer. In practice it is found that seldom is a single one employed, but generally a blend of fixatives.

Papain: Its Assay

By Ernest E. Unwin, M.Sc., F.I.C.

IT is not the writer's intention to do more than discuss the assay of this proteolytic enzyme. A description of this product may be found in the British Pharmaceutical Codex, 1934, where for the first time an official method of assay is described. Before the current publication of this authority appeared, tentative methods had been noted in various books of reference and in published papers, most of which referred to its digestion of blood fibrin. In February 1935, however, a paper appeared in the American "Journal of the Association of Official Agricultural Chemists," by A. K. Balls, T. L. Swenson and L. S. Stuart. This method makes use of Hammerstein's casein and is of special interest in view of the B.P.C. assay. In the writer's opinion, however, this American method is much more tedious and gives an even more indefinite end-point than is the case with the British assay.

That a good sample of papain should digest from 200 to 300 times its own weight of blood fibrin had been a recognised condition in the trade for many years, but nobody seemed to understand how this assay was to be carried out. It was obvious, however, that the method of procedure must be laid down in detail before the result of any such assay could be of value.

From an important manufacturing house in the United States the writer obtained some very interesting information. It appeared that the method used in their laboratory was based upon the use of scraped lean meat, freed from as much fat and gristle as possible. The digestion was carried out at 50° to 55° C. for four hours, and a determination with standard papain was conducted at the same time. From the volumes of undigested residue in the sample under test and of the standard papain, it was claimed that the percentage digestion could be computed in terms of the standard. It was mentioned further that the results could be expressed in terms of percentage of meat fibre digested by filtering, washing, drying and weighing the undigested residues. It was pointed out, however, that owing to the impossibility of obtaining meat at different times that approaches a uniform digestibility, there must be a wide variation in the percentage digestion obtained by this and similar methods.

The method using soluble casein of the B.P.C., 1934, is on the whole very satisfactory, particularly if certain minor modifications are made. As the amount of the amino-acids produced by the action of the papain normally is equivalent to between 2 and 3 mls of *N*/10 sodium carbonate solution, it is imperative that the correct end-point should be observed. The method, while directing that the final titration shall be matched against the colour of the blank, does not allow for the change in colour which takes place in the blank itself on standing for six hours. The writer found that this difficulty could easily be overcome by preparing a match to the blank by the use of a few drops of a 0.01 per cent. rosanilin red solution contained in a similar mixture of the casein and formaldehyde solutions. The following procedure has been adopted in this laboratory. It is given in detail to avoid confusion.

First Method

SOLUTION A.—Four grams soluble casein is mixed in a mortar with cold water and finally with boiling water, transferred to a 100-ml graduated flask, cooled, neutralised with *N*/1 NaOH to phenolphthalein, and finally made to bulk.

SOLUTION B.—Thoroughly mix 0.4 gram papain into a cream in a small mortar with a little cold water, and wash into a 100-ml graduated flask. Add 60 mls of Solution A, make distinctly alkaline with *N*/1 NaOH and make to bulk.

THE BLANK.—Take 25 mls of Solution B in a 300-ml conical flask, add 20 mls water, and 25 mls formaldehyde solution (40 per cent. HCHO: 100 mls neutralised with *N*/1 NaOH to phenolphthalein, using this mixture throughout the experiment), and 10 drops of a 1 per cent. solution of phenolphthalein. The addition of the formaldehyde solution renders the mixture acid to phenolphthalein; add, therefore, sufficient *N*/10 sodium carbonate solution just to restore the

pink colour and 12 mls in excess. Note the total number of millilitres of *N*/10 sodium carbonate solution added ——— X millilitres. Immediately titrate this blank with *N*/10 hydrochloric acid to a point at which the pink colour of the indicator is just visible ——— Y millilitres. As the colour of the blank alters on standing it must be matched to a solution which will remain unchanged for comparison with the final titration at the end of the experiment.

THE MATCH.—Take 25 mls of Solution B in a 300-ml conical flask, add 20 mls water and 25 mls of the formaldehyde solution. Discharge the pink colour of the indicator with just sufficient *N*/10 hydrochloric acid and match this solution to the blank, using a few drops of 0.01 per cent. solution of rosanilin red.

THE EXPERIMENTS (in duplicate).—Take 25 mls of Solution B, add X millilitres of *N*/10 sodium carbonate solution and maintain at 37° C. for six hours. At the end of this period add 25 mls water, 25 mls of the formaldehyde solution, 10 drops of phenolphthalein solution, and finally titrate with *N*/10 hydrochloric acid to the colour of the match—Z millilitres.

CALCULATION.—Y mls less Z mls multiplied by 10 gives the number of millilitres of *N*/10 sodium carbonate required to neutralise the amino-acids formed by 1 gram of papain. B.P.C. 1934 limit, minimum 20 millilitres.

Alternative Method

The following alternative method has been worked out in this laboratory and has been found to give very satisfactory results. This process has the advantage of permitting the assay to be carried out in acid, alkaline, or neutral solution, thus enabling the analyst to determine whether or not the papain has been fortified by the addition of animal digestants. Pepsin, for example, is active only in acid solution, whereas papain is active in all three media. The process reverts to the use of lean steak, but a standard dry steak powder is prepared for this purpose.

PREPARATION OF THE DRY STEAK POWDER.—Take 4 lb. of lean steak, scrape and free from as much fat and gristle as possible, cut into small pieces. Soak in water at 50°-55° C. and maintain at this temperature for four hours. Wash by decantation and filter through paper on a Buchner, again washing with hot water. Dry the residue in an oven at 100° C. Pass the residue through a mincer occasionally as it dries. When thoroughly dry, extract in a Soxhlet with ether to remove the fat, grind and re-extract. When free from fat, rub down in a mortar and pass through a 1-mm. sieve. Store in a well-stoppered bottle.

From the weight of dry powder obtained (usually about 1,100 grn.) determine a figure for its conversion into wet lean steak. This powder keeps indefinitely.

THE DETERMINATION IN NEUTRAL SOLUTION (in duplicate).—Take 1.5 gram of steak powder in a stoppered 100-ml glass graduated cylinder. Rub down 0.15 gram of papain into a cream with a little water and transfer to the cylinder. Make to 50 mls with distilled water at 55° C. Maintain at 50°-55° C. for four hours, shaking at each quarter-hour. Filter through tared sintered glass crucibles (Jena, I.B.G.3). Wash the residue with 100 mls cold water and dry at 100° C. for one hour. Break up the partially dried residue with a platinum wire and continue the drying to constant weight. A blank on 1.5 gram of the steak powder must be carried out in an exactly similar manner.

CALCULATION.—The weight of the blank less the average weight of the two experiments multiplied by the predetermined conversion figure of dry steak powder to wet lean steak, divided by 0.15 gives the parts of wet lean steak digested by one part of papain. Under these conditions, a good sample of papain digests about 30 parts of wet lean steak.

Attention should be drawn to the fact that when it is necessary to carry out the determination in acid or alkaline media difficulty may be experienced in filtering and/or washing the insoluble residue after digestion. In this case it may be found more convenient to determine the amount of the

soluble rather than the weight of the insoluble matter. This presents no difficulty and may be carried out as follows:—

Note the volume of the liquid digest at the end of the experiment, filter and collect an aliquot part. Determine by the Kjeldahl process the total nitrogen content of this solution; multiply by 6.25 to convert to proteins. It is necessary, of course, to make allowance for the nitrogen due to the water-soluble protein matter (by estimating the nitrogen in the water-soluble portion from the blank) and for the soluble papain itself. Blanks must therefore be carried out to determine both these factors, and the necessary deductions made from the total nitrogen figure.

From the results of a large number of experiments the writer has found that the weight of the residue *plus* the weight of the protein matter, determined by the Kjeldahl process, in the soluble portion closely approximates to the weight of the original blank.—(From the Veno Laboratories, Manchester, 16.)

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 THE CHEMIST AND DRUGGIST, Vol. 86, pp. 133-136 (1915).

Poisonings Classified

IN "The Practitioner," No. 830, Sir William Willcox discusses the diagnosis and treatment of poisoning. Sir William remarks at the outset that great developments in industry have proceeded *pari passu* with advances in scientific research and new discoveries, as a result of which industrial workers are often exposed to toxic results of a new kind. The same feature was mentioned by Dr. Donald Hunter in a lecture reported in the *C. & D.* (1936, II, 545). An example given in the monograph is that the first case of toxic jaundice resulting from inhaling the vapour of cellulose varnish used for the wings of aeroplanes was sent to St. Mary's Hospital out-patient department in August 1914 as a case of "catarrhal jaundice."

Administration Routes

In addition to oral administration, the author specifies the following routes by which poison may enter the system:—

ABSORPTION BY MUCOUS MEMBRANES.—Mercurial poisoning from intra-uterine douches is instanced. Alkaloids are rapidly absorbed by the rectum.

CONJUNCTIVAL ADMINISTRATION may give rise to poisoning. The author has seen hyoscine poisoning in a susceptible person following the use of hyoscine eye-drops.

URETHRAL ADMINISTRATION may lead to toxic absorption. Cases of fatal poisoning with solutions of cocaine injected by this route have occurred.

ABSORPTION BY THE SKIN may occur. Chrysarobin, for example, may give rise to generalised erythema and other symptoms. Belladonna poisoning has been found to arise from the external application of belladonna liniment.

SUBCUTANEOUS ADMINISTRATION.—Absorption in such cases is so rapid that the only possibility of retarding it is by the immediate application of a tourniquet or by incision and cupping.

ADMINISTRATION BY INHALATION.—Alkaloids are rapidly absorbed if they reach the respiratory tract in solution as fine sprays.

Types

MECHANICAL IRRITANTS, in this country, usually consist of fragments of glass, real or imaginary, eaten with goods derived from glass containers. Radiological examination of the alimentary tract is necessary in such cases.

CORROSIVE POISONS destroy the tissues with which they come into contact. Search should be made for signs of local injury to the skin around the mouth or to the mucous membrane of the mouth or naso-pharynx.

IRRITANT POISONS include (1) the corrosive poisons when diluted so that corrosion does not occur; (2) the large group of metallic irritant poisons; (3) many organic poisons, such as the phenol group; (4) the pathogenic bacterial infections causing food poisoning.

The classes which follow include, the author points out, the majority of poisons:—

NARCOTIC POISONS.—Narcotic alkaloids (e.g., morphine and its derivatives); hypnotic drugs (e.g., barbituric acid derivatives); drugs used for general anaesthesia; metallic poisons such as thallium acetate.

POISONS ACTING ON THE SPINAL CORD AND PERIPHERAL NERVOUS SYSTEM, such as strychnine, manganese, lead, mercury, alcohol, ergot.

POISONS ACTING ON THE LIVER, such as chloroform, carbon tetrachloride, trichlorethylene, the cinchophen group, arseno-benzol derivatives, trinitrotoluene.

POISONS ACTING ON THE LUNG, such as silica, nickel-carbonyl.

POISONS ACTING ON THE KIDNEY, such as mercuric chloride and many of the liver poisons.

Analytical Evidence

The routine for the examination of specimens is outlined, with the warning that toxicological analysis is full of pitfalls unless undertaken by an expert of great experience. The vomit and first stomach washings will generally show whether a poison has been taken orally within three hours. In most cases of poison taken by mouth elimination is complete in about ten days. The urine should be carefully preserved; analysis usually reveals the presence of the poison. Examination of feces is particularly important in the case of metallic poisoning. Blood analysis is specially indicated in coma, and in such cases a specimen of cerebrospinal fluid should also be collected. After suspected poisoning by arsenic a specimen of the patient's hair should be taken. In exemplification of the last-named procedure the author instances the illness of a Government official in a tropical country who returned to England after a few weeks' symptoms giving rise to difficulty in diagnosis. The patient consented to the removal of some of his hair for the purposes of analysis, and the report showed the presence of $\frac{1}{100}$ mgm. of arsenic per grain of hair. The diagnosis was now clear, and the explanation was completed by a reference to trouble with a native cook. It is added that the diagnosis was made ten weeks after the poison had been administered. Recent researches have shown the presence of arsenic in normal urine up to about 0.1 part per million, and of lead up to 0.05 part per million.

The latter part of the monograph is devoted to details of the treatment of different types of poisoning.

Dock Charges Increased

THE Port of London Authority have given notice that, on and after October 8, 1937, the following, amongst other, charges will be increased by 5 per cent.

Dock Rates and Charges on Import Goods

(a) The deduction of $7\frac{1}{2}$ per cent. where now allowed off rates and charges will be cancelled and the rates and charges will be increased by 5 per cent.

(b) The deduction of 10 per cent. where now allowed off rates and charges will be cancelled and the rates and charges will be increased by $2\frac{1}{2}$ per cent.

(c) Rates and charges which are at present shown as net figures will be increased by $12\frac{1}{2}$ per cent.

Rent on Import Goods

Rates which are at present shown as net figures will be increased by $2\frac{1}{2}$ per cent.

The discount of $2\frac{1}{2}$ per cent. now allowed off rent charges on softwood and softwood goods will be cancelled.

Notice of similar increases in charges has also been given by the London Association of Public Wharfers.

PEIPING UNION MEDICAL COLLEGE, China, has issued an illustrated *brochure* giving details, with Chinese text, of its students' careers.

MEDICINAL PLANTS OF FRANCE.—The useful series of coloured illustrations of medicinal plants of France, published in separate leaflets, has reached its seventeenth series, comprising Nos. 129-136 inclusive. This instalment is obtainable (price 75 fr.) at "C.D.P.M.," 17 Rue Duguay-Trouin, Paris, 6e.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, September 30

THE MARKETS are doing a steady if rather moderate volume of business, with the general tone quite healthy. Values are being well maintained in most products, and the higher freights and insurance on some sea routes tend to increase values in this market. A certain amount of goods are being shipped from China, including the port of Shanghai, but prospects for the future are very uncertain. In the PHARMACEUTICAL CHEMICALS markets business continues very routine. Makers notify a slight advance in METHYLATED ETHER. The very limited supplies of EPHEDRINE HYDROCHLORIDE available have been selling at still higher prices. Makers' prices for CITRIC ACID are slightly dearer.

Crude Drugs

A number of lines in this market have been in good demand, with spot values firm and tending dearer. With but a few isolated exceptions, values are fully steady, with supplies below normal. Good business is reported in CURAÇAO ALOES; spot market firm at the further advance. CANADA BALSAM is again dearer and in short supply on spot. Steady sales of BUCHU on spot. Japanese CAMPHOR has sold very well on spot and values tend slightly dearer. No more shipment offers from Canton of CANTHARIDES. CARDAMOMS are very firm but quiet. The shipment price for CASCARA SAGRADA is dearer. New crop CHAMOMILES have again been advanced, due to short crop of white flowers. Norwegian COD-LIVER OIL is quoted dearer from Bergen. No shipment offers of Spanish or Portuguese ERGOT. Sudan GUM ACACIA remains quiet. HONEY is quoted dearer, with good business reported and supplies short at the moment. Japanese MENTHOL has sold briskly at the advance on spot and near afloat. MERCURY is quoted slightly cheaper; the demand of late has been quiet. Very few cases of RHUBARB of any description now available on spot. All spot supplies of STROPHANTHUS SEED have been sold. TONKA BEANS are dearer at the source. Druggists' qualities of TRAGACANTH have sold steadily. WAXES have been rather quiet.

Essential Oils

A moderate business is reported, with some few lines receiving attention, while others are quite neglected. At the further advance any spot supplies of ANISE (STAR) are firmly held. BERGAMOT has been of no interest. The small supplies of good quality CASSIA have been advanced, and further appreciation is probable. CITRONELLA oils have been quiet this week. Australian EUCALYPTUS is fully steady, but the demand has fallen off. Bourbon and Algerian GERANIUM tend steadier at current low prices. New crop LAVENDER is now being quoted. Sicilian hand-pressed LEMON has suffered a further sharp decline in shipment quotations, due, it is stated, entirely to lack of normal demand. LEMONGRASS has been dull. NUTMEG is firm at the advance. French GUINEA ORANGE is neglected on spot and nominal forward. Japanese PEPPERMINT continues in good demand on spot and for near afloat parcels. Most suppliers have practically cleared their spot stocks, but fresh supplies are due in London next week. New crop AMERICAN PEPPERMINT is reported from the source to be in quiet demand at the recent decline. PALMAROSA is quoted cheaper for shipment, but buyers are not interested. The Spanish oils, SPIKE and ROSEMARY, are firm at good figures for genuine oils.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	September 23	September 30
Amsterdam ...	Fls. to £	12·107	8·97½	8·95
Berlin ...	Mks. to £	20·43	12·34	12·32
Brussels ...	Belgas to £	nominal	29·44	29·38
Copenhagen ...	Kr. to £	18·159	22·40	22·40
London ...	£ to £	110	110½	110½
Madrid ...	Ptas. to £	25·22½	nominal	nominal
Milan ...	Lire to £	92·46	94½	94
Montreal ...	Dol. to £	4·86½	4·95½	4·94½
New York ...	Dol. to £	nominal	4·95½	4·94½
Oslo ...	Kr. to £	18·159	19·90	19·90
Paris ...	Fr. to £	124·21	144½	144½
Prague ...	Kr. to £	164·25	141½	141½
Stockholm ...	Kr. to £	18·150	19·40	19·40
Warsaw ...	Zloty to £	43·38	26½	26½
Zurich ...	Fr. to £	25·2115	21·57	21·52

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS continues steadily on rather modest lines. Makers notify a small advance in methylated ethers. Ephedrine products continue to soar in value, with supplies running extremely short.

ACETANILIDE.—Market fully steady: B.P. crystals and powder, 1s. 8d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Convention prices unchanged, business quiet. two cwt., 8s. 10d.; one cwt., 9s. 1¼d.; less than one cwt., from 9s. 5½d. per lb.; powder, 2½d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—Market remains dull: one cwt., 1s. 6½d. in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 10½d. in 8-oz. tins, and 2s. 1d. per lb., in 4-oz. tins.

ASPIRIN.—Makers' and dealers' prices are steady, average business reported; home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2½d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

BARBITONE.—Inquiry is slow, quotations unchanged: spot, two cwt., 8s. 9½d.; 56 lb., 8s. 11½d.; small parcels, up to 9s. 2½d. per lb.

BENZOIC ACID (B.P.).—Average business, market steady: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices continue steady. Carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb., net. Resale clause applies, 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Demand is slow: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10½d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1¼d.; less than 56 lb., 6s. 2½d. per lb. Soda sal., two cwt., 6s. 2½d.; one cwt., 6s. 3½d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d. per lb.

CALCIUM LACTATE.—Moderate business: one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' scale of prices continues steady: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Values have been advanced by ¼d. per lb. British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for this market for wholesale bulk quantities are as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity at below the scale price for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Continues steady, fair business: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Business of small account: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. to 2s. per lb., ex store.

EPHEDRINE.—Reports indicate that makers are mostly not in a position to accept new business. The very limited supplies available in their hands and from importers are firmly held and being sold in small quantities at steadily increasing prices. It is reported that up to 20s. per oz. has been paid for HYDROCHLORIDE and that figure is now firm, tending still dearer. Little inquiry for the PURE, but the price would now be about 27s. per oz.

ETHER (MEHYLATED).—Makers notify an advance of ½d. per lb., as from September 27. The new scale is as follows:—

	W. qts.	Not less than		Drums and Carboys
		6 w. qts.	12 q. qts.	
s.g. 0.750 ...	lb.	lb.	lb.	lb.
0.735 ...	1/3	1/2½	1/2	1/1
0.730 ...	1/3½	1/3	1/2½	1/1½
0.725 ...	1/3½	1/3	1/2½	1/1½
0.725 triply rect. ...	1/5½	1/5	1/4½	1/3½
0.720 ...	1/10	1/9½	1/9	1/8
0.720 ...	1/6½	1/6	1/5½	1/4½
0.717 ...	2/0½	2/-	1/11½	1/10½
0.720 B.P. not for anæsthesia...	1/8½	1/8	1/7½	1/6½

Special prices for quantities and contracts.

GLYCEROPHOSPHATES.—Makers' prices steady. Acid calcium (soluble), 28 lb., 4s. 6d.; 7 lb., 5s. Neutral calcium, B.P.C., 28 lb., 4s. 6d.; 7 lb., 5s. Potassium, 75 per cent., 28 lb., 2s. 9d.; 7 lb., 3s. 3d. per lb.; 28-lb. tins free, other packing extra.

GUAIACOL CARBONATE.—Makers' and dealers' quotations are in the region of 9s. per lb.

MERCURIALS.—Makers' scales of prices for these salts are unchanged. CHLORIDE, B.P. (CALOMEL).—One cwt., 5s. 11d.; less than one cwt., from 6s. per lb.

METHYL SALICYLATE.—Makers' prices unchanged; fair inquiry continues: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers report business quiet: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, 20s. 8d. per lb.

PARAORMALDEHYDE.—Fair business, values steady: 100 per cent. powder, quantities in kegs, 1s. 1d. to 1s. 1½d.; smaller parcels, up to 1s. 4½d. per lb., as to quantity.

PARALDEHYDE.—Quantities in demijohns from 1s. 1d. and smaller lots in winchesters about 1s. 4d. to 1s. 6d. per lb.

PEPSIN.—Prices for the 1/2,500 continue steady, with 50 lb. or less quoted at 10s. per lb. net, ex store.

PHENACETIN.—Market steady, moderate business: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Business slow, Convention prices unchanged: two cwt., 6s. 2½d.; one cwt., 6s. 5d.; less than one cwt., 6s. 8d. per lb. Powder, 2½d. per lb. extra.

PHENAZONE SALICYLATE (SALIFYRIN).—Quotations are steady: two cwt., 7s. 7d.; one cwt., 7s. 9½d.; less than one cwt., 7s. 11½d. per lb.

PHENOLPHTHALEIN.—Steady, with a quiet business passing: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Steady business, with values unchanged: spot, bulk quantities, in drums, 8½d. to 9½d.; druggists' parcels, from 10d. to 1s. per lb.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s.; hydrophosphite, 4s.; alkaloid, 3s. 10½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

ROCHFELF SALTS.—Makers' prices are steady:—

	Pulv. Sod. Pot. Tart. B.P.	Pulv. Seidlitz	Double Seidlitz
	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d.
Under 1 cwt. ...	85 0	68 0	75 6
Under 5 cwt. ...	82 6	66 3	73 3
Over 5 cwt. in one delivery ...	80 0	64 3	71 0

Soda, pot. tart. cryst. at 2s. 6d. per cwt., extra to powder, net, 14 days. Special prices for quantities. Contracts accepted subject to a rise and fall clause.

RESORCIN.—British material only available: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. 6d. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—More inquiry, makers' prices steady: five cwt., 1s. 7d.; 1 cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Small business passing at keen prices: crystals in the region of 2s. 6d. to 2s. 10½d. per lb., as to quantity.

SANTONIN.—Quotations appear to be steadily maintained at £11 to £14 per kilo, as to quantity, with supplies restricted.

SODIUM BENZOATE (B.P.).—Average business reported: bulk quantities, 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 7½d. up to 2s. per lb., as to quantity.

SODIUM SALICYLATE (B.P.).—Fair inquiry, makers' quoted prices steady: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s.; 1 lb., 2s. 3d. per lb.

SULPHONAL.—Keen quotations on a quiet market: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Market is steady as quoted: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount. Dealers offering foreign materials at competitive prices.

VANILLIN.—Convention prices are unchanged: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt., 13s.; 56 lb., 13s. 6d.; less, 13s. 9d. per lb.

Crude Drugs, etc.

AGAR.—Market is quietly steady. Japanese shippers quote new crop, January-February shipment, 2s. 8½d. to 2s. 9d., c.i.f., with possible buyers at 2s. 7d. Recent arrivals of Kobe 1 and 2 have not been of the quality of arrivals earlier in the year: spot, Kobe No. 1, 4s.; No. 2, 3s. 8d. Yokohama No. 1, 3s. 9d. per lb., ex store; shipment, Kobe No. 1, 3s. 6d.; No. 2, 3s. 2d. per lb., c.i.f.

ALOES.—Market continues firm for Curaçao and fully steady for Cape, with good spot business in the former: Cape, spot, 63s. to 64s., as to quality; shipment, 62s. 6d. to 63s. per cwt., c.i.f. Curaçao, spot, a parcel of coarse livers, manufacturing quality, at 120s.; block smooth, 135s.; livers, up to 150s. now wanted. Shipment, very few offers, firm at 127s. 6d. per cwt., c.i.f.

AMMONIACUM.—Some fairly clean pale drop is quoted at about 1s. to 1s. 1d. per lb., in bond.

ANNATTO SEED.—Market fully steady, supplies limited: Madras, 3½d.; Jamaican, fair colour, 4½d. per lb., ex store.

ANTIMONY.—Values are well maintained: Chinese, crude, spot, £45; shipment, October-November, £40, c.i.f. English regulus, £92 10s. to £93 10s. per ton, ex store.

ASSAÆTIDA.—Cases of good pale blocky almonds quoted at about 95s. per cwt., in bond.

BALSAMS.—Market firm, with supplies of Canada scarce, for which there is a good inquiry: Tolu, 1s. 10d. to 1s. 11d.; Canada firm from 4s. 6d., with practically nothing available at the source; Peru, 5s. 4½d.; Copaiba, 2s. 1d. to 2s. 2d. per lb., ex store.

BENZOIN.—A modest spot demand: Sumatra, seconds, 75s. to 85s., as to quantity and seller. Siam: medium almonds, £25; bean and pea, £21; pea, £19 per cwt., ex store.

BUCHU.—A steady sale of bale lots is reported, with values maintained: spot, rounds, 2s. 1d. to 2s. 3d., as to quality. Ovals in limited supply at 1s. 10d. to 2s. per lb., as to quality; shipment, 1s. 11d. to 2s. per lb., c.i.f.

BURDOCK ROOT.—Occasional small business, with spot quoted at about 48s. 6d. to 50s. per cwt., as to quantity.

CAMPOR.—Difficulty has been experienced in fulfilling orders from spot stocks, but a fair quantity is due in London on Monday, a good deal of which has already been sold. Spot values slightly dearer: Japanese manufacturing BB grade, £8 10s. per 100 lb. Japanese, spot, tablets, 2s. 7½d.; powder, 2s. 4d.; slabs, 2s. 3½d. per lb., ex store; shipment, tablets, 2s. 3½d.; powder, 2s. 1d.; slabs, 2s. 0½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz., and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—No shipment offers from Canton. Supplies of Chinese on spot are at present firm at 2s. 6d. per lb., but a parcel now being landed will be offered at about 2s. 5d. per lb., ex store.

CARDAMOMS.—This market is quiet, but very firm. Practically no bleached available here. Green Aleppy, spot, 4s. 6d.; prompt shipment, 3s. 11d. per lb., c.i.f.; October-November, 3s. 10d. per lb., c.i.f. Bombay seed, spot, 6s. 9d.; shipment, 5s. 7d. per lb., c.i.f.

CASCARA SAGRADA.—Some few sales of old bark reported on spot, otherwise the market is quiet but fully steady; shipment is dearer on account of the increased freight: shipment, 1937 peel, 47s. 6d. per

cwt., c.i.f., with spot holders asking 58s. to 60s. per cwt.; old bark, from 65s. to 70s. per cwt., ex store.

CASCARILLA.—Supplies of stringy quill quoted from 1s. 3d. to 1s. 4d. per lb., ex store.

CASSIA FISTULA.—Some fairly sound good bold pods are offering at about 30s. per cwt., ex store.

CELERY SEEDS.—Dealers quote good bulk quantities on spot at about 85s. per cwt., ex store.

CHAMOMILES.—It is reported that, due to heavy rain at the end of the season, the crop of good white flowers will be short. Consequently prices have advanced, with new crop first white flowers firm at 170s. per cwt., landed and duty paid.

CLOVES.—Values are steadier, business rather quiet: Zanzibar, spot, 8½d.; shipment, October-November 7½d. per lb., c.i.f. Madagascar, in bond, 8d.; shipment, October-November, 7½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended September 25 were nil, and the deliveries nil, leaving a stock of 3,644. From January 1 to date the landings of Zanzibar have been 5,047 and the deliveries 3,109. Landings of Madagascar for the week ended September 25 were nil, and the deliveries 159, leaving a stock of 3,880. From January 1 to date the landings of Madagascar have been 5,267 and the deliveries 2,557 packages.

COCOA BUTTER.—Market is quoted cheaper: English, 10½d. to 1s. 0½d. per lb.; foreign, 10d. to 1s. per lb., as to quantity and quality.

COCONUT (DESICCATED).—At the slight reduction the market is steadier: spot, fine, 22s.; medium, 21s. per cwt.; shipment, halves, October, 21s.; November-December, 21s. 6d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports inquiry continues on a good scale, with the shipment market again dearer and firm, with some shippers not quoting, in anticipation of higher prices later in the season: finest Lofoten steam refined, non-freezing medicinal oil, 109s. to 110s. per barrel, c.i.f., London. Small lots, on spot, about 140s. per barrel, ex store, duty paid. British finest medicinal oil is quoted at 110s. per barrel, delivered U.K., with rebates for 25, 50 or more barrels.

COLOCYNTH.—Fairly plentiful supplies of spot pulp, 1s. 5d. to 1s. 7d. per lb., as to quantity and quality.

DANDELION ROOT.—Dealers are quoting good clean Continental root at about 70s. to 72s. 6d. per cwt., ex store.

DERRIS ROOT.—Market remains rather quiet, with values generally unchanged.

DIGITALIS LEAVES.—We are advised that new crop leaves are not yet available.

ERGOT.—No interest in the shipment market, with no firm offers of Spanish or Portuguese: on spot odd lots of Portuguese quoted at about 5s. 6d. Russian not yet to hand.

GALLS.—No shipment offers of China plums; last price was 65s., c.i.f.; on spot, Aleppy, blues, 95s.; greens, 70s.; whites, 55s. per cwt., ex store.

GAMBOGE.—Supplies of fair Siam pipe quoted from £12 10s. to £13 10s. per cwt., ex store, as to quality.

GENTIAN.—Prices tend rather firm, with spot values at present ranging from 47s. 6d. to 50s. per cwt., ex store, as to quantity and description.

GINGER.—Business quiet, values steady: West African, spot, 58s. 6d.; shipment, for arrival, 56s. 6d. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 87s. 6d.; small grinding, in bags, 62s. 6d. per cwt., ex store.

GUAIACUM.—Some supplies of fair glassy sorts are quoted on spot at about 1s. 3d. per lb., and ordinary at 10d. per lb., ex store.

GUM ACACIA.—Market remains rather subdued, with values about unchanged on quotation: Kordofan cleaned sorts, spot, 52s. 6d. to 53s.; shipment, 50s. 6d. to 51s. per cwt., c.i.f.

HENBANE.—Dealers reports small parcel business, with quotations about 75s. per cwt., ex store.

HENNA.—Fair business, market steady: Egyptian, green, 34s. to 35s.; brown, 30s. to 32s. 6d. per cwt., ex store, as to quantity.

HONEY.—Conditions in this market are healthy, with quite a good business, stocks are at a low level at the moment. Prices have advanced and holders are firm, with Jamaican dark manufacturing at 40s. up to 55s. for pale set. Californian, white clover, in limited supply at 50s., duty paid. Practically no Canadian, Cuban, Domingo or other descriptions available at the moment. Editorial comment on p. 394.

HYDRASTIS.—Market is steady, business quiet: spot, 13s. 3d.; shipment, new crop, 12s. 6d. per lb., c.i.f.

IPECACUANHA.—Business quiet, but values fully maintained, stocks limited: Matto Grosso, B.P. test, spot, 8s. 3d. to 8s. 6d.; shipment, 7s. 9d. per lb., c.i.f., with very few offers being made.

IRISH MOSS.—Dealers are holding spot stocks: quoted from 45s. to 60s. per cwt. for druggist qualities, ex store.

KOLA NUTS.—A few lots of African halves quoted at about 2½d. to 3½d. per lb., ex store. West Indian, halves, about 4½d. per lb.

LIQUORICE ROOT.—Good natural root is quoted at about 12s. 6d. per cwt. Medium quality decorticated at about 37s. 6d. per cwt., ex store.

LOBELIA HERB.—Market tends to be steadier: bulk quantities at about 6½d., and small lots up to 7d. per lb. ex store.

LYCOPodium.—Market steady, business quiet: spot, about 5s. per lb., ex store.

MANNA.—Dealers quote small parcels of new crop finest selected at 3s. 6d. to 3s. 9d. per lb., in 1-lb. tins.

MENTHOL.—A good demand continues, with the market short on spot; values have advanced. A fair number of cases due here on Monday, a good deal of which has already been disposed of: K/S brands, spot, 14s.; in bond, 12s. 6d. Japanese shippers quoting October, 12s. 3d.; October-November, 12s.; October-December, 11s. 10½d. per lb., c.i.f.

MERCURY.—Business remains quiet, values slightly easier: London stocks available. Quoted at 66 dollars 50 cents per bottle, f.o.b. Continent; spot, £13 8s. to £13 8s. 6d. per bottle, ex store.

MYRRH.—Market is firm on short supply. Fair Aden, native gum, £9 10s. per cwt., in bond, and good small peas, £4 10s. per cwt., in bond.

OPUM.—Fair business, market steady: Turkish, original cases of 170 lb., 12½-13 per cent., 1s. 1½d.; Persian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—Parcels of thin cut are available from 11½d. to 1s. 2d. per lb., as to quality and quantity.

ORRIS ROOT.—Plenty of supplies with good bold selected at about 30s. per cwt. Other grades from 27s. per cwt., ex store.

PEPPER.—Values are about level on the week, market rather quiet. Lampong, in bond, 3½d.; shipment, October-December, 2½d.; January-March, 2½d., c.i.f. Tellicherry, spot, 4½d.; shipment, October-November, 3s., c.i.f. Aleppy, spot, 4d.; shipment, October-December, 3s., c.i.f. White Muntok, in bond, 6d.; shipment, October-December, 4½d., c.i.f.

PIMENTO.—Market quiet and slightly easier forward: spot, 8½d. per lb., shipment; October-November, 67s. per cwt., c.i.f.

PODOPHYLLUM.—Old supplies of *P. peltatum* available at about 90s. per cwt. No stocks here of *P. emodi*.

RHUBARB.—Following on last week's public auction all the Rough Round offered was sold at full prices. Several export inquiries for this description, with stocks exceedingly small. Any Shensi would be fully 5s. 9d. to 6s. per lb. Cables from Shanghai report two or three tons of Rough Round have been booked for October shipment to this market, and in the event of their arrival in due course the goods will be offered at not less than 2s. 6d. per lb., duty paid.

RUBBER.—Rather dull, with values quoted easier at the close. Standard ribbed smoked sheet, spot, 8½d.; October, 8½d.; November, 8½d.; December, 8½d.; January-March, 8½d.; April-June, 8½d.; July-September, 8½d. per lb.

SAFFRON.—Dealers' prices for the limited stocks of genuine Valencia are steady at about 75s. per lb., ex store.

SARSAPARILLA.—The shortage of grey Jamaican continues. Native Jamaican, 1s. 1d. to 1s. 2d. per lb.

SEEDS.—ANISE.—Spot, duty paid, Bulgarian, 40s.; Syrian, 28s. CANARY.—Market remains quiet. Prices quoted spot duty paid are Mazagan, 21s. 6d.; Turkish, 19s.; Plate, 19s. 6d.; Spanish, 25s. to 35s., according to quality. CARAWAY.—Dutch, 32s. 6d., spot, duty paid, 29s. 6d., quoted f.o.b. Holland. CORIANDER.—Morocco on spot is offered at 28s., duty paid, and 25s. 6d., in bond. No business passing at these prices. CUMIN.—Spot, Malta, 46s. 6d., duty free; Morocco, 45s., duty paid, and 42s., in bond. FENNEL.—Indian is 32s. 6d., spot. FENUGREEK.—Morocco on spot quoted at 13s. 9d., duty paid. For shipment, 11s. c.i.f. quoted. DILL.—Indian, 11 per cent., 22s. 6d., spot. MUSTARD.—English, 21s. to 33s. per cwt., according to quality.

SENEGA.—Business quiet, new crop for shipment is dearer: spot, about 2s. 3d.; shipment, 2s. 2d. per lb., c.i.f., for new crop.

SENNA.—Business has been of little account this week, but values remain steady. Tinnevely leaves: Fair green quality is offered on the spot as follows:—Bold, 6½d.; No. 1 at 5½d.; No. 2 at 3½d.; No. 3 at 2½d.; No. 4 at 2½d. per lb. Tinnevely hand-picked pods are available at 3½d. to 5d., according to quality. Manufacturing Tinnevely pods continue scarce on the spot, and small lots might be secured at 2½d. per lb., ex wharf, London. Alexandrian hand-picked pods offer on the spot as follows:—Finest selected at 5s. to 5s. 3d.; No. 1 at 3s. 6d. to 4s.; No. 2 at 2s. 3d. to 2s. 9d.; No. 3 at 1s. 6d. to 2s. per lb., with low grades available at 1s. to 1s. 3d. per lb., ex wharf, London.

SHELLAC.—Market is easier, quiet business: spot, standard TN orange, 46s. to 49s.; fine orange, 60s. to 105s; pure button, 56s. to 60s. For delivery, TN, October, 45s. 6d.; December, 46s. 6d. For arrival, TN, September-October, 45s., c.i.f.

SQUILL.—Some new crop is now being landed and will be offered at about 27s. 6d. per cwt., ex store.

STROPHANTHUS SEED.—All spot stocks of 100 per cent. Kombé have been sold for re-export. Fresh supplies are due here in November, and the price will probably be about 3s. 4d. per lb.

TONKA BEANS.—Brazil reports most of crop sold and prices have been advanced to about 2s. 8d. per lb., c.i.f. Fair frosted Para beans, on spot, about 3s. 3d. per lb., ex store.

TRAGACANTH.—Steady sales reported of druggists' gums, particularly of the finest qualities, ranging from £55 to £70 per cwt. Good export inquiry for No. 3 and 4 grades. Textile gums have remained in quiet demand and are quoted unchanged.

TURMERIC.—Difficult to locate supplies of Madras finger on spot; if available, fully 30s. per cwt. Slightly wormy Rajapore, about 30s. per cwt., ex store.

VALERIAN ROOT.—Dealers are quoting spot supplies at about 40s. per cwt., ex store.

WAXES.—**BEE'S.**—Market is steady, with values unchanged, business moderate: Calcutta, bleached spot, 145s.; shipment, September-October, 140s.; ordinary quality, spot, 118s.; shipment, September-October, 110s., c.i.f. Abyssinian, 118s., in bond; no shipment offers. Benguella, spot, 122s. 6d.; shipment, September-October, 108s. 6d., c.i.f. Conakry, spot, 118s.; shipment, 115s., c.i.f. Dar-es-Salaam, spot, 127s. 6d.; shipment, September-October, 119s. 6d. per cwt., c.i.f. **CARNAUBA.**—Market is steady on spot and near shipment positions are firm. Fatty grey, spot, 172s. 6d.; shipment, afloat, 165s., c.i.f.; September-October, 162s. 6d.; October-November, 157s. 6d.; November-December, 158s., c.i.f. Chalky grey, spot, 170s.; shipment, 155s., c.i.f. Primeira, spot, good quality, 220s.; f.a.q., 215s.; shipment, September-October, 200s., c.i.f. Mediana, spot, 210s.; shipment, 195s., c.i.f.

Essential Oils, etc.

STEADY conditions prevail in this market, with a moderate business passing. Anise (Star) is again dearer. Geranium oils tend steadier. New crop French lavender is being quoted. Sicilian lemon is sharply cheaper and dull. Nutmeg is dearer. Japanese peppermint is firm and active on spot.

ALMOND.—Average small spot business: English made, cwt. lots, 3s.; smaller parcels, up to 3s. 6d. per lb.; foreign cwt. lots, 2s. 10d.; smaller parcels, up to 3s. 3d. per lb. French bitter, 6s. to 6s. 1½d. per lb.

ANISE (STAR).—Very firm conditions continue in this market, and supplies, where available, are being sold very sparingly. Tins in cases and some repacked oil in tins might be bought at 5s. 6d. Drums, if available, at 5s. 3d. An offer has been received from Hong Kong of drums at 3s. 9d., c.i.f., for October-November shipment. Buyers are hesitating to do business on account of the uncertainty of despatch.

BAY.—Market has been quiet: 49 to 50 per cent., 4s. 7½d. to 4s. 9d.; 50 to 60 per cent., 4s. 9d. to 4s. 10½d. per lb., as to quantity.

BERGAMOT.—Values at the source are being maintained, but there is very little business moving. The spot market is also quiet. Exporters' prices for Consortium oil is in the region of 15s. 4½d. to 15s. 9d. per lb., c.i.f. Spot values range from 14s. 3d. to 15s. 9d. per lb., ex store, as to quantity and quality.

BOIS DE ROSE.—Business has been negligible. Brazilian oil, in drums, spot, 6s., with small lots up to 6s. 6d. per lb.

CAJUPUT.—Values are fully steady, fair business in small quantities: B.P., 2s. 9d. to 3s. per lb., as to quantity; shipment, 2s. 4d. per lb., c.i.f.

CANANGA.—Business remains slow: spot quotations are competitive in the region of 6s. to 6s. 3d. per lb. Shipment offers seem of little interest: about 5s. 10d. per lb., c.i.f.

CARAWAY.—The source reports values very steady, but unchanged: Dutch rectified, 7s. 9d.; crude, 7s. 4d. per lb., landed and duty paid.

CASSIA.—Supplies of good quality oil have been selling steadily, and supplies now seem to be distinctly short, with holders' bottom price now 3s. 6d. per lb. for leads. No shipment offers.

CEDARWOOD.—Business has remained very quiet, values unchanged: African, in drums, 1s.; smaller packages, up to 1s. 3d. per lb. American, in drums, 1s.; smaller packages, up to 1s. 3d. per lb.

CINNAMON LEAF.—Ceylon oil on spot is quoted from 3s. 4½d. for drums up to 3s. 9d. per lb. for small repacked lots. Business of little importance.

CITRONELLA.—Business has been quiet. The Java oil is not so firm for shipment. High prices have been received this week for Ceylon for shipment, but there is no interest shown here: Ceylon, spot, drums, 1s. 10d.; smaller parcels, up to 2s.; shipment, drums, now quoted up to 1s. 7½d. per lb., c.i.f. Java, spot, drums, 2s. 1½d. to 2s. 2d.; smaller parcels, up to 2s. 6d.; shipment, drums, 1s. 11½d. per lb., c.i.f.

CLOVE.—Spot values for Madagascar oil are steady, with no shipment offers from source: Madagascar, spot, drums, nominal; smaller packages, up to 4s. 3d. per lb. English distilled oil, cwt. lots, 5s. 6d.; smaller parcels, up to 5s. 9d. per lb., c.i.f.

EUCALYPTUS.—Business is reported to have been quieter this week, but values, spot and forward, are fully steady. It is difficult to locate supplies on spot of 80 to 85 per cent. oil. Australian, 70 to 75 per cent, 1s. 8½d., in drums; 1s. 9½d., in tins; 80 to 85 per cent., 1s. 10½d. per lb., in drums, if available; higher prices for small lots on spot. Shipment, 70 to 75 per cent., 1s. 6d. in drums; 1s. 6½d. in tins; 80 to 85 per cent., 1s. 7½d. per lb., c.i.f., for October-November, shipment.

GERANIUM.—The spot market tends rather steadier and importers report that the sources are not replying to inquiries for shipment offers: Bourbon, spot, 15s.; Algerian, spot, 14s. 9d. Business, however, remains quiet on the London market.

GINGERGRASS.—Spot nominal, with practically nothing available. The source reports business done at 6s. 10½d. per lb., c.i.f.

GRAPE-FRUIT.—Normal small spot business, market steady: Florida oil, 11s. to 12s. per lb. Californian, 10s. 6d. to 12s. per lb., as to quantity.

HO (SHIU).—Market is very firm, with supplies limited and in strong hands, with drums of "improved" quality at 4s. 3d., ex store. November shipment is occasionally quoted at about 3s. 9d. per lb., c.i.f.

JUNIPER BERRY.—A modest business reported, with values for genuine B.P. oil from 3s. 6d. to 4s. per lb., as to quantity.

LAVENDER.—New crop oil is now being quoted for shipment, with good brands of 38 to 40 per cent. at 16s. 6d. to 17s. 6d. per lb., landed. The source states value may advance owing to the rather poor flower crop. The price quoted for LAVANDIN ranges from 7s. 6d. to 8s. 6d. for "standard" and finest qualities.

LEMON.—The lack of normal business is a feature of this market and no doubt accounts for the further weakness at the source. Offers of quite good brands of Sicilian hand-pressed oil have been received at 10s. per lb., c.i.f., in bulk quantities; other quotations are up to 10s. 6d. The spot market has also been dull, with prices ranging from 10s. to 11s. per lb., as to brand and quantity. Machine-made oil is quoted down to 9s. 4d. per lb., c.i.f. Californian distilled, regular quality, 6s. 4d. per lb., ex wharf.

LEMONGRASS.—Market is still neglected: shipment, 1s. 6½d., c.i.f.; spot oil, from 1s. 9d. to 1s. 10d. per lb., as to quantity.

MANDARIN.—Business quiet, quoted unchanged: spot, 23s. to 24s. 6d.; shipment, about 23s. 6d. per lb., c.i.f.

MUSK.—One or two caddies of Tonquin pods available in London; the price asked is 52s. 6d. per oz.

NEROLI.—Some interest shown in new crop oil, with perfumers' quality 27s. 6d. to 30s. per oz.; other grades range from 18s. to 24s. per oz., ex store.

NUTMEG.—Market is firm at the advance. American oil now at 5s. 9d. to 5s. 11d. per lb., as to quantity, spot.

ORANGE.—Business seems to have remained quiet on spot, and no interest whatever in shipment offers of French Guinea oil. The trade is waiting for quotations for new crop oil: spot, nominal, at 5s. 2d. per lb. for drums, duty paid. Shipment nominal at 4s. 4½d. per lb., c.i.f. Sicilian sweet is quoted at 12s. 10½d., c.i.f., and bitter oil at about 9s. per lb., c.i.f. Tanganyika bitter oil, in drums, 8s. per lb., ex store. Californian, small drums, 4s. 2½d.; tins in cases, 4s. 3½d.; single cases, 4s. 6d. per lb., ex store.

PALMAROSA.—Shipment offers are now down to about 7s. 6d. to 7s. 9d. per lb., c.i.f., but buyers are not interested.

PEPPERMINT.—A good spot business continues in the Japanese oil, and at the moment there is not sufficient to fill orders. Fresh supplies are due to arrive on Monday, but there will be but little of these shipments available for the market: spot, 5s. 1½d. to 5s. 3d. Afloat is quoted at 5s., landed. Japanese shippers quote October at 4s. 9d.; October-November at 4s. 7½d., and December-January at 4s. 4½d. per lb., c.i.f. On the market 4s. 4½d. reported paid for October-December, with further sellers. The American natural oil, new crop, is quoted from the source at about 2 dollars 25 to 35 cents per lb., c.i.f., in drums, and the reports indicate that the market is quiet and none too steady.

PEITGRAIN.—Average small spot business, shipment market quiet: spot, 4s. 3d. for cases and up to 4s. 6d. for small lots; shipment, 4s. 1d. per lb., c.i.f.

ROSEMARY.—The moderate spot supplies of genuine Spanish oil are steadily held for 3s. 8d. to 4s. 1½d. per lb., as to quantity and seller.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots on spot, 10s. per lb. Oil described as East Indian is steady at the recent slight advance at 17s. 6d. per lb., c.i.f., for bulk quantities. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb. for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—Market is steady, with business slow. Natural oil is quoted from 3s. 7d. to 3s. 9d. per lb., as to quantity, ex store.

SPEARMINT.—Spot and forward quotations continue to vary as to brand; business at keen prices: spot, 8s. 6d. to 9s.; shipment, 7s. 6d. to 8s. per lb., c.i.f. The higher quotations are for U.S.P. quality oil.

SPIKE.—A fair business continues in small quantities on spot, and genuine Spanish oil of fine quality is firm at 5s. 7½d. up to 6s. per lb., as to quantity. No shipment offers.

VELVET.—This market has been very quiet: spot, Bourbon, about 24s. per lb., ex store.

WORMSEED.—Not much inquiry being received, market steady: U.S.P. quality oil, spot, 11s. 8d. to 12s., as to quantity; shipment, 11s. 3d. per lb., c.i.f.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmacy and the State

SIR,—I am consumed with curiosity to know why Mr. F. C. Wilson was not allowed to read his most illuminative and constructive article at the Liverpool Conference. From the welter of "grouses" and grievances, fancied and otherwise, hardy weeklies, here is at long last a real constructive effort which can reflect nothing but shame on a body of men supposedly elected from the intelligentsia of the British pharmaceutical world if the Council of the Society neglect it as a nucleus for the fulfilment of their duty to that part of the Charter which, through apathy or the self-satisfaction of the individual members of Council, they have continued to eschew through the years . . . Many years ago I visualised the profession of pharmacy as a protected guild; and now that the responsibilities have been greatly increased, there is no longer a reason why the security of the individual pharmacist should not be proportionately established. Is it to be wondered at that men like Mr. Hammond (*C. & D.*, August 21, p. 241), who has my sympathy, should exude a bitterness of spirit which, if the letter and spirit of the Charter were carried out, could not exist? Political ideologies apart, I feel sure that the overwhelming apathy and despondency of the average pharmacist would soon evaporate if a handful of Wilsons would light the torches of constructive fire such as your article of August 21. Bravo, Bradford!—Yours, etc.,

W. M. NICOL.

Kisumu, Kenya Colony.

A Manifesto

SIR,—In reply to the correspondence which has arisen in connexion with our recently published manifesto (*C. & D.*, August 28, p. 265), we wish it to be generally understood that our first aim is to encourage every pharmacist to vote at the Pharmaceutical Society's Council election. We have no intention of condemning any candidate; but we do intend that those candidates who receive our recommendations shall be pharmacists capable of furthering the interests of pharmacy with determination, dignity and understanding. A correspondent has asked: "Whom do we represent?" We do not represent any particular body, but we were elected by a number of pharmacists who are deeply concerned for the future of pharmacy, and who consider the lack of interest in pharmaceutical affairs shown by pharmacists to be due to their knowledge of the individual candidates for the Society's Council election being limited to the reading of carefully worded election addresses. We wish to emphasise that our recommendations will be made on the basis referred to in our manifesto, which includes personal contact between the candidates and this Advisory Council. We agree with "Votex" that *questionnaires* to candidates are unsatisfactory. We are confident that those pharmacists who realise the work involved in thus obtaining a more helpful knowledge of the candidates, and the subsequent issuing of information, will appreciate the necessity of financial support. All members of the Pharmaceutical Society may become members of the National Election Committee on payment of an annual subscription of 2s. The work of the Committee is also partly dependent upon generous donations received from time to time from those who appreciate the aims and objects which the Committee have in view. Subscriptions and donations may be sent to the hon. treasurer, Mr. J. Spaanderman, M.P.S., 189 Sutton Road, Huthwaite, Notts.—Yours faithfully,

F. NEWBY, W. GARSIDE,
T. B. ROBINSON, J. SPAANDERMAN.
J. S. WALMSLEY,

Huthwaite, Mansfield, Notts.

A Costly Undertaking

SIR,—Two weeks ago I wrote on the subject of the dead loss to the craft entailed in the running of the Pharmaceutical Society's School at Bloomsbury Square, and make no apology when referring again to this urgent matter. The administration of the new Pharmacy and Poisons Act requires each

pharmacy to pay a £1 registration fee, which provides for their inspection. Up to the present the retention fee remains at £1 11s. 6d., but when the Society commences to build its new premises in Brunswick Square, there is a certainty of fresh demands, and who can say that even a £2 2s. retention fee will be the limit of the Council's demand? Cognisance of this should immediately be taken, and members should demand to be apprised of what is intended by the Council beforehand, not wait until action is taken and they are faced with an accomplished fact when it is too late. A fortnight ago I suggested that the saving to be effected by closing the Society's School would make a handsome nucleus for a parliamentary fund (vain hope); but it is evident it can easily be swallowed up for some years to come by the new building. If it is the intention of members to keep the retention fee at £1 11s. 6d., now is the time to become vocal, for expenditure on upkeep of the new building, when completed, will not be less than that on the present one. It is my earnest hope that every member of the Pharmaceutical Society will inquire into this matter of finance himself or herself, and let us remove King Charles's head before he is installed in Brunswick Square to issue . . . demands for ship money. The position is in all probability much worse than this letter depicts. I hope it is not, but if members throughout the country will bestir themselves in sufficient numbers they cannot be kept in the dark until after the blow has fallen.

Yours faithfully,

S. C. BLORE.

Birmingham, 11.

Rotas and Leisure

SIR,—In the report of the meeting held at Blackburn (*C. & D.*, September 25, p. 356) there are references to several topical matters. It is satisfactory to learn that the rota system is working well: this seems to be the case wherever a rota has been arranged. Yet strange to say, although there is a rota for Sundays in the town I am connected with, and everybody is adhering to it, agreement cannot be secured to extend the rota to the early closing day, and in consequence all pharmacies are open on that evening from 6 to 8 p.m. A comparison was made between the proportion of retailers and representatives of other branches of pharmacy at the recent Conference at Liverpool. I think it is not difficult to see why retailers should be in a minority. Most retail chemists are tied to their shops all the year round, their only relaxation being the fortnight's summer holiday. This holiday costs them more than an average outlay, because they have to employ a qualified locum as well as paying their holiday expenses. They cannot afford to take spells off, and attendance at the Conference would have to be part of the annual holiday. However bright and attractive the social side of the Conference may be, a chemist feels he should be allowed some break from pharmacy during the year. Members in other branches of the calling may be able to arrange attendance at the Conference as comprising part of their duties; not so the retailer. There is no doubt about the value of refresher courses, but the difficulty is how to attend them. We are not likely to be provided with free locums and hotel expenses as the doctors will be, so that anything done will have to come from ourselves, and as chemists cannot leave their businesses a refresher course would have to be local. This again means it would be held after 9 p.m. or on the half-day, and speakers would have to be arranged for at those times; in every way the retail chemist is handicapped when he wishes to get some benefit which others receive as a matter of course. It is good to know that somewhere a chemist is looked up to as an important person. Not long ago I was introduced to a man who holds a responsible position, who travels extensively at home and abroad, and may be said to be generally well informed. We exchanged cards, and looking at mine he said: "I see you are interested in photography." I explained that M.P.S. referred to the Pharmaceutical Society; his next remark was, "What exactly do you do?"—Yours faithfully,

QUERIST (27/9).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

E. W. E. (27/94).—THE PEAT FIGURES FOR CHEMISTS' BUSINESSES.—The following is a summary of results obtained by W. B. Peat & Co. from examination of chemists' businesses in Great Britain, in connexion with the National Health Insurance Drug Tariff Committee's report:—

	1911-12			1913-14		
	£	s.	d.	£	s.	d.
1. Total average annual receipts ...	51,445	13	6	64,027	14	10
(a) Of insurance drug business ...	—	—	—	8,866	10	2
(b) Of private drug business ...	33,735	12	10	35,021	1	8
(c) Of other business ...	17,710	0	8	43,887	11	10
2. Total average annual outgoings ...	41,014	14	0	49,983	1	5
(a) Total average cost of all material	30,366	2	5	37,003	4	4
(b) Total average annual establishment charges ...	10,648	11	7	12,979	17	1
3. (a) Average annual cost of material used in drug business ...	17,789	8	11	22,673	7	10
(b) Average establishment charges apportionable to drug business ...	7,143	17	8	9,152	17	4
4. (a) Average annual cost of materials used in other business ...	12,576	13	6	14,329	16	6
(b) Average annual establishment charges apportionable to other business ...	3,504	13	11	3,826	19	9
5. Annual average profit on whole business:—						
(a) Gross:—						
(1) Amount... ..	21,079	11	1	27,624	10	6
(2) Percentage on buying price ...	69.4	per cent.		73	per cent.	
(3) Percentage on selling price ...	41.0	per cent.		42.2	per cent.	
(b) Net:—						
(1) Amount... ..	10,430	19	6	14,044	13	5
(2) Percentage on buying price ...	34.3	per cent.		37.9	per cent.	
(3) Percentage on selling price ...	20.3	per cent.		21.9	per cent.	
6. Average annual profit on drug business:—						
(a) Gross:—						
(1) Amount... ..	15,946	3	11	21,214	4	0
(2) Percentage on buying price ...	89.6	per cent.		93.6	per cent.	
(3) Percentage on selling price ...	47.3	per cent.		48.3	per cent.	
(b) Net:—						
(1) Amount... ..	8,802	6	3	12,061	6	8
(2) Percentage on buying price ...	49.5	per cent.		53.2	per cent.	
(3) Percentage on selling price ...	26.1	per cent.		27.5	per cent.	
7. Average annual profit on other business:—						
(a) Gross:—						
(1) Amount... ..	5,133	7	2	5,810	6	6
(2) Percentage on buying price ...	40.8	per cent.		40.5	per cent.	
(3) Percentage on selling price ...	29.0	per cent.		28.8	per cent.	
(b) Net:—						
(1) Amount... ..	1,628	13	3	1,983	6	9
(2) Percentage on buying price ...	12.9	per cent.		13.8	per cent.	
(3) Percentage on selling price ...	9.2	per cent.		9.8	per cent.	

S. C. S. (24/91).—SALE OF WINE.—In our opinion it would be permissible for the wine to be ordered and paid for at the branch and delivered from the central shop possessing a wine licence. It would be advisable, however, for the branch when transmitting an order to pay the full retail price to the central shop and thus avoid making any profit on the transaction. If profit were made by the branch it would be tantamount to the sale of wine without possession of a licence.

T. H. H. (27/91).—BUST REDUCER.—Among the preparations which have been recommended as bust reducers are purified ox bile and iodides. An ointment containing the latter could be made on the following lines:—

Lanolin	5 gm.
Soft paraffin	5 gm.
Potassium iodide	1 gm.
Tincture of benzoin	2 drops

The iodide should be dissolved in as little water as possible. Ox bile preparations, whether offered as ointment or solution, contain about 5 per cent. of the purified substance.

J. W. M. B. (28/94).—WHEAT DRESSING.—Under the Third Schedule of the Poisons Rules, solid substances containing less than 60 per cent. of phenols are exempted from the Pharmacy and Poisons Act, 1933. Even though you use liquid carbolic acid, we think your preparation could still be claimed to be a solid preparation, but there is no reason why you should not use crystals.

E. H. G. (27/94).—(1) BAKELITE.—This is a phenol-formaldehyde resin. The principle of manufacture consists in boiling together equal quantities of phenol and formaldehyde in the presence of a catalyst such as ammonia. The resin thus formed is mixed with slightly more than its weight of wood flour and ground. The powder is sold to the moulder, who presses it into the requisite shapes in heated steel dies in hydraulic presses. The resultant moulding is strong and hard. It resists heat, water and organic solvents.—(2) METAL TO GLASS CEMENT.—The following are representative formulas for preparations used for this purpose:—

I	
Mastic	3 parts
White lead	3 parts
Litharge	6 parts
Linseed oil	9 parts

Melt the mastic in the linseed oil by the aid of heat, then add the white lead and litharge and mix. Apply while hot.

II	
White lead	1 oz.
Litharge	2 oz.

Mix and form into a stiff paste by the addition of a mixture of copal varnish 1 part, linseed oil 3 parts.

J. H. S. (25/96).—WINTER REMEDIES.—The formulas for which you ask are as follows:—

Liquorice and Chlorodyne Mixture

Ipecacuanha wine	1½ fl. oz.
Liq. ext. of liquorice	2 fl. oz.
Chlorodyne (B.P. 1885)	1½ fl. oz.
Honey	4 oz.
Mucilage of linseed	to 24 fl. oz.

The mucilage of linseed is made by boiling 1 oz. of linseed with 30 oz. of water for fifteen minutes, adding hot water to make, after straining, 20 fl. oz. of mucilage.

If this preparation is to be sold as a proprietary, to comply with the Pharmacy and Poisons Act, 1933, it must be labelled "contains tinct. chlorof. et morph. B.P. '85, 1 in 16 v/v," also with the following words, which must be either on a separate label or surrounded by a line "Caution. It is dangerous to exceed the stated dose."

Influenza Mixture

Sodium salicylate	40 gr.
Strong solution of ammonium acetate (B.P. 1885)	1½ dr.
Ipecacuanha wine	1 dr.
Oxymel of squill	6 dr.
Spirit of nitrous ether	2 dr.
Compound tincture of camphor	2 dr.
Chloroform water	8 oz.

T. A. C. (27/92).—LEAD HAIR RESTORER DANGERS.—While relatively few cases of lead poisoning have been recorded as the result of using hair restorers containing lead, the danger must not be unduly minimised. There is always the possibility that the user may be particularly susceptible to lead poisoning.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," October 1, 1887

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One teaspoonful	equalled	35 minims.
Two teaspoonfuls	equalled	90 minims.
One tablespoonful	equalled	5iij. 20 minims.
Two tablespoonfuls	equalled	5vj. 40 minims.



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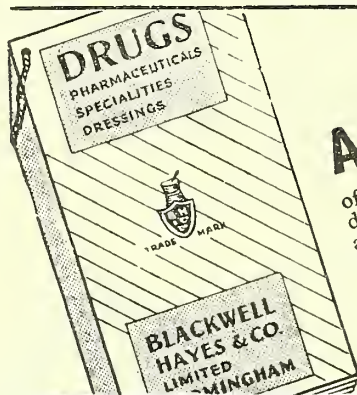
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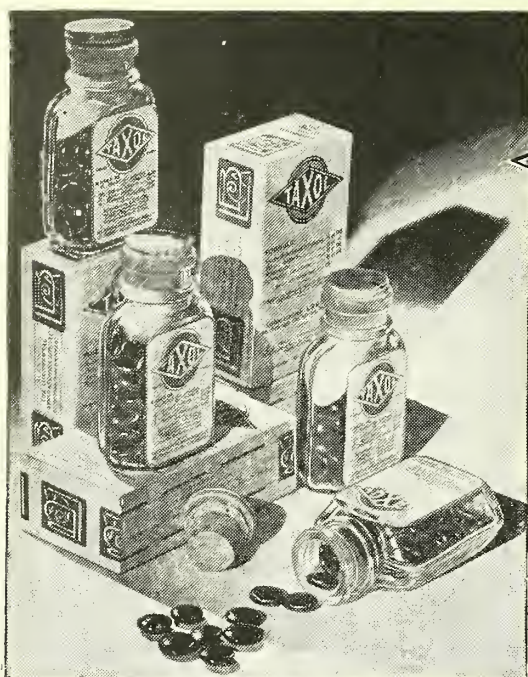
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October						
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M	4	11	18	25		
Tu	5	12	19	26		
W	6	13	20	27		
Th	7	14	21	28		
F	1	8	15	22	29	
S	2	9	16	23	30	

1937

1

November						
S	7	14	21	28		
M	1	8	15	22	29	
Tu	2	9	16	23	30	
W	3	10	17	24		
Th	4	11	18	25		
F	5	12	19	26		
S	6	13	20	27		

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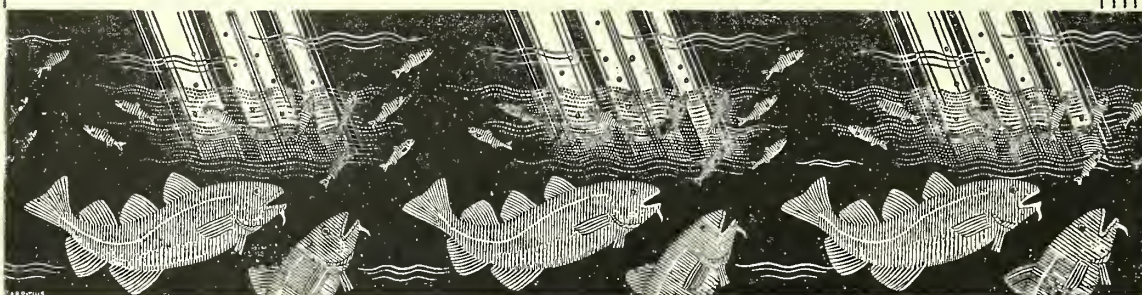
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Make sure you stock DEXTROSOL Brand Dextrose B.P. It is "the physicians' own glucose"—a household word amongst the medical profession.

KARO

ALSO

Dextrosol Brand Dextrose B.P.

Available from stock of all wholesale chemists.

PRICES

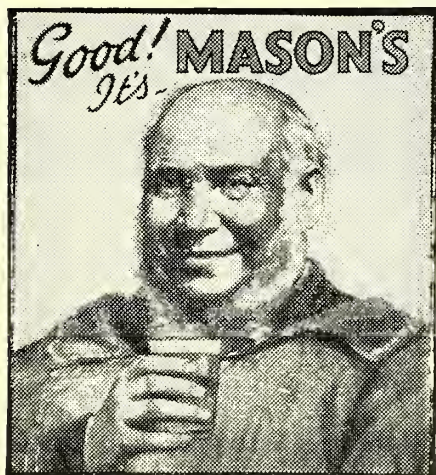
	Retail	Wholesale
KARO { 1-lb. tins	1/3 each	10/6 per doz.
2-lb. tins	2/- each	17/- per doz.
DEXTROSOL { 1-lb. packets	1/6 each	12/- per doz.
7-lb. tins	10/- each	80/- per doz.

CORN PRODUCTS COMPANY LTD.,

BUSH HOUSE, ALDWYCH, LONDON, W.C.2.

MASON'S EXTRACT OF HERBS

**WINDOW SHOW TERMS
ARE NOW AVAILABLE**



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NEWBALL & MASON Ltd., NOTTINGHAM

7 Pints of GINGER WINE

can be made with this 9d bottle of Essence



The high concentration and extra fine quality of this Ginger Wine Essence give the greatest satisfaction to the user. The dimpled bottle is an attraction, while the full flavour of the contents makes repeat custom certain. You can rely on Pennine Brand to serve you well.

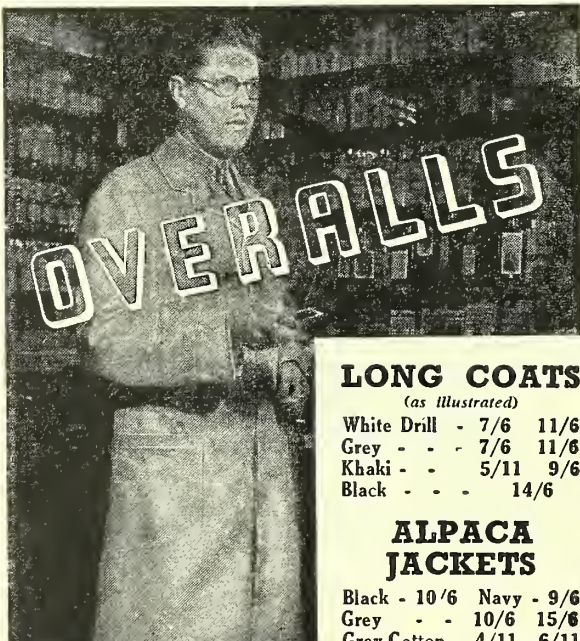
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"PENNINE" BRAND
GINGER WINE ESSENCE

Trade Price : 5/- per dozen
SHOWCARD AVAILABLE

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Manufacturing Chemists - LINTHWAITE, HUDDERSFIELD

FR. 15.



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LONG COATS

(as illustrated)

White Drill	- 7/6	11/6
Grey	- 7/6	11/6
Khaki	- 5/11	9/6
Black	- -	14/6

ALPACA JACKETS

Black	- 10/6	Navy	- 9/6
Grey	- -	10/6	15/6
Grey Cotton	- 4/11	6/11	

Mail Orders state chest measure and height.
Write or 'phone for Illustrated Price List.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.,
1, 3 & 5, COMMERCIAL RD., LONDON, E.1
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ZWETSCHGENWASSER
Mirabells, Prunells, Currants,
Spirits of Mountain Raspberry,
Blueberry, Blackberry and
Juniperberry

AGENTS WANTED EVERYWHERE
KLOSTERBRENNEREI
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EMMENDINGEN, BLACK FOREST

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BEST IN QUALITY & APPEARANCE
PROMPT DELIVERIES



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**DOG
and
CAT**

Canker Lotion &
Powder
Veterinary Ointment
Nofol
Shampoo-Dry Shampoo
Dry Cleaner
Lactol & Lactol Biscuits

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**SHERLEY'S
DOG & CAT
BOOKS**
Ready Sellers
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The Best Plaster—in the Best Pack

3 POINT PACK

**WATERPROOF
DUSTPROOF
AIRTIGHT**

Here is a Zinc Oxide plaster in a unique and dependable pack. In its Moulded Container, it is WATERPROOF, DUSTPROOF and AIRTIGHT. There is nothing else like it on the market. The plaster is Taylor's finest quality . . . 1 yard of $\frac{1}{2}$ in. or 1 in. widths, flesh cloth.



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BRAND ADHESIVE PLASTER REGD

The new Screen Display will help you make rapid sales. It is double-sided, an ideal counter piece. It cannot be missed by your customers, and reminds them of a constant need—adhesive plaster kept absolutely clean in an airtight container

1" size at 2/6 per doz.
Retailing at 4½d. each.

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Retailing at 3d. each.

Each doz. in Screen Display Stand.

Obtainable from all Wholesale Houses.

EDWARD TAYLOR LTD., MONTON, LANCASHIRE

T.B. 72

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"MATER" CLINICAL REGD.

The position of the Mercury column is at once perfectly plain. Red markings above 99.4.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

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Price List on Application:—

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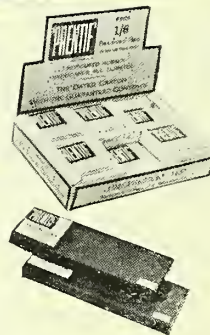


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THE NAME BEHIND THE APPROVED CONTRACEPTIVE PRODUCTS

No losses with the "Prentif" dated products! Out-of-date stocks are exchanged for new supplies without question. Customers value this form of protection which also maintains your Professional reputation. Why not increase your business in Contraceptives by handling the reliable "Prentif" products? Excellent profits on all lines.

Samples and details of both mechanical and chemical Contraceptives gladly sent on request.



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"Prentif" Products are entirely British made and the retail sale is strictly confined to Chemists.

BIG Profits, Quick Returns

(Below)

WINGS OF SLEEP

A popular bottle, obtainable in Blue, Green or Cherry. Packed in transparent envelope. With or without handle.

'FERN' Pattern

Supplied only to Chemists

UNIQUE

A fabric bottle with the greatest reputation in the world for real wear. In drab or red. Packed in envelope.

Size	Retail	Trade
6 x 10	4/11	3/3
8 x 10	5/6	3/8
8 x 12	5/11	3/11 1/2
10 x 12	6/11	4/7 1/2

On the P.A.T.A. List

(Right) SUPER

A strong bottle obtainable in Blue, Green or Cherry. Packed in transparent envelope.

Retail Price - - 3/11 each

Trade Price - - 2/6 each

On the P.A.T.A. List

EDINA

The extension on the filler acts as a handle when filling or when buttoned over as a protection to the feet. Obtainable in Blue, Green or Cherry. In transparent envelope.

Retail Price - 2/11 each

Trade Price - 1/11 1/4 each

On the P.A.T.A. List

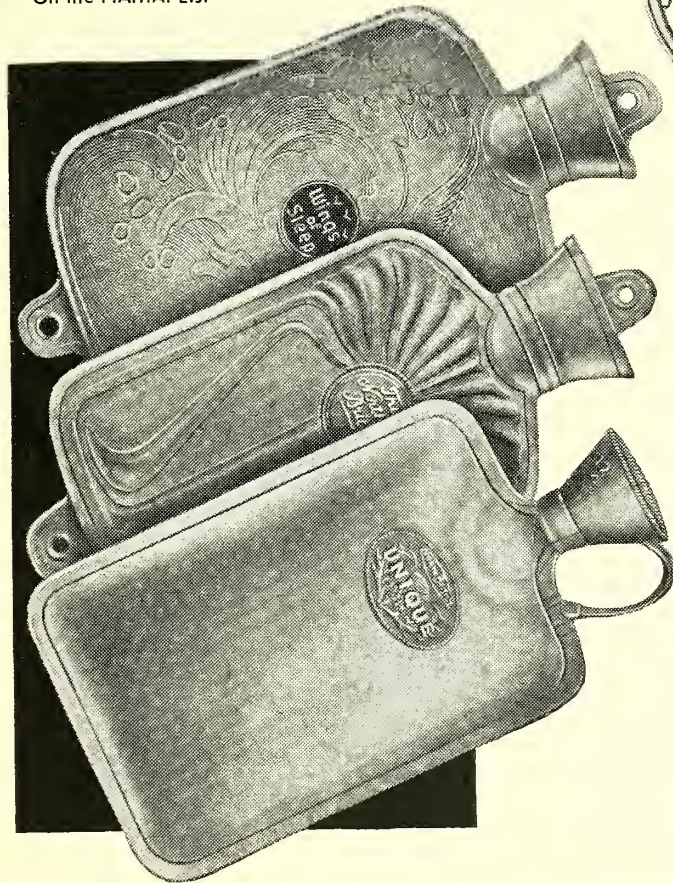
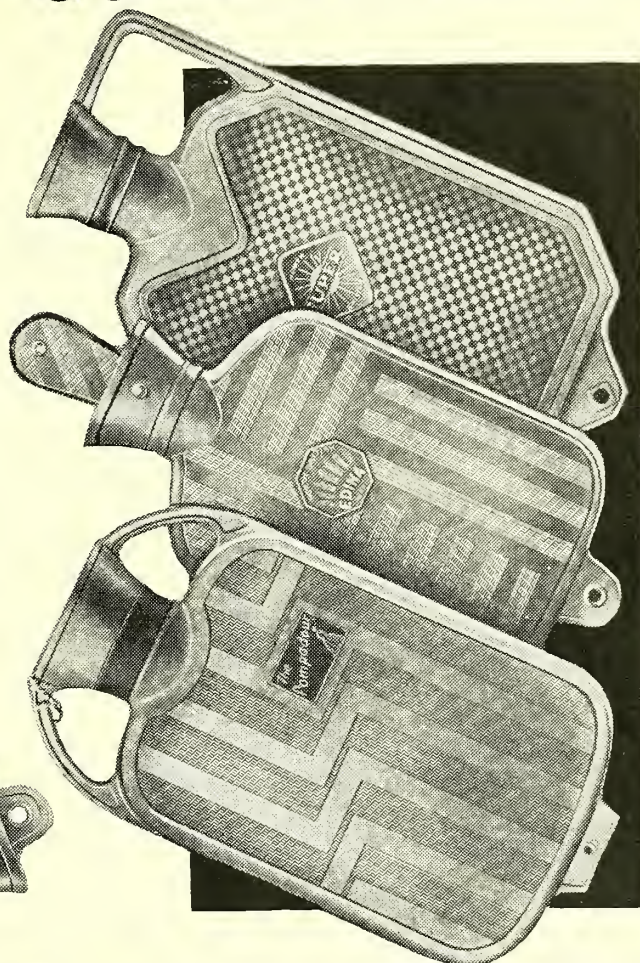
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A new de luxe bottle, obtainable in Blue, Green or Red. Packed singly in decorated box.

Retail Price - - 4/11 each

Trade Price - - 3/4 each

On the P.A.T.A. List



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HOT WATER BOTTLES

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MADE IN EDINBURGH BY THE NORTH BRITISH RUBBER CO LTD

EMPIRE POWER EMULSIFIERS

PRICE £27 : 10 : 0 WITH
ANODISED ALUMINIUM BOWL

PRICE £30 : 0 : 0 WITH
STAINLESS STEEL BOWL

Motors to suit customers' mains supply. Non choke adjustable pressure up to 3,000 lbs. per sq. inch. Bowl 1 gallon capacity. Output up to 15 gallons per hour.

BRITISH EMULSIFIERS LTD., TEDDINGTON

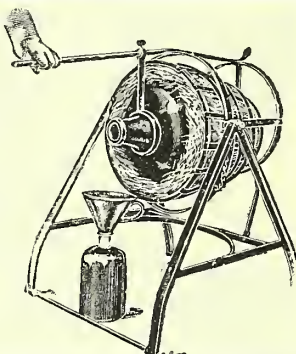
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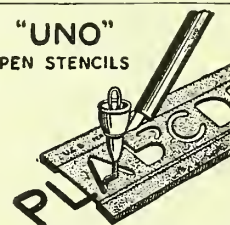


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*Send for full particulars of this
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JACKSON-CROCKATT PATENT PACKING MACHINES

FOR ALL POWDER MATERIALS
Various types for Powders and Plastics



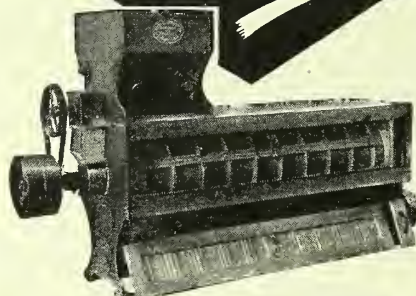
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with washable stainless steel hopper.
Quickly dismantled for cleaning.

For Packing—To uniform density, Face Powder,
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The patented quick-change screens and easy-
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- the Original and Softest
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- All on P.A.T.A.—Regularly Advertised. Only Paper Handkerchiefs to
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The Toinoco Handkerchief Co., Ltd.
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**'ORIGINAL'
'CELTEX' SOLUBLE
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HOUSE****Reliance****Reliance****"BRITISH WARM"****A SEAMLESS MOULDED HOT WATER
BOTTLE WITH A PEDIGREE****MADE BY THE ORIGINAL MANU-
FACTURERS OF BRITISH SEAMLESS
BOTTLES****EXTRA LARGE SIZE AND HEAVY
WEIGHT WITH SIDE HANDLE****SUPPLIED IN A 3-COLOUR DISPLAY
CARTON AND FULLY GUARANTEED**

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3/11

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YOUR USUAL WHOLESALER WILL SUPPLY**PLEASE WRITE FOR LIST AND SAMPLES
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BOTTLES TO RETAIL FROM 1/11 EACH****RELIANCE RUBBER Co., Ltd.**

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ATROPINE • CAFFEINE
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

OCTOBER 2, 1937

28 ESSEX STREET, LONDON, W.C.2

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

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ESTABLISHED 1846

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2.—LONDON, N.1.—Drug and Proprietary Business; takings this year average about £17 per week; good profits; clean stock; reasonable rental; price £250 all at.

3.—EALING.—General Retail Business; takings about £900 per annum; scope; solid mahogany fixtures; lock-up shop; price required £650.

4.—OLYMPIA (NEAR).—General Middle-class Retail Business; established 45 years; takings last year £1,607; good profits; stock worth £380, fixtures £270; inclusive reasonable rental; price required £650 all at.

5.—EPSOM (NEAR).—Good-class Business with increasing turnover, present rate £27 per week; very valuable lease; main road pharmacy, handsomely fitted and very well stocked; further details upon application.

6.—CARLISLE.—Light Family Retail Business for immediate disposal; net profit over £7 per week; heavy stock; attractive fixtures, nice accommodation over; reasonable rental; full particulars upon application.

7.—LONDON, N.W.1.—Main road Cash Retail Business with excellent Panel connexion; returns over £40 per week under management; spacious shop, well fitted and heavily stocked; accommodation over; rent only £110 per annum; minimum purchase price required £950 all at.

8.—S. WALES (DEATH VACANCY).—General Retail Business; returns approximately £1,500 per annum; spacious living accommodation over; new lease at reasonable rental; price £750 all at, or valuation terms entertained; net profit about £400 per annum.

9.—BEXLEYHEATH.—General Retail Business with Optical connexion for disposal; net profit over £350 per annum; valuable stock and fixtures; very nice living accommodation; inclusive purchase price required £550.

10.—EASTERN COUNTIES.—Good-class Retail Business in main road position; takings last year £1,260; gross profit 35 per cent.; double-fronted shop, well fitted and stocked (stock £500); nice living accommodation; inclusive purchase price required £850.

11.—MANCHESTER.—General Retail Business with Optical and Panel connexions; takings last year £1,344; net profit about £400 per annum; attractive fixtures with Neon lighting, etc.; rent only £60 per annum; purchase price required £850.

12.—S.E. LONDON.—Cash Drug Store offering scope for qualified; established 60 years; weekly takings £11-12; inclusive purchase price £250.

13.—HOME COUNTY.—High-class Business with valuable Agencies; takings over £50 per week; stock and fixtures worth £1,400-£1,500; modern flat over; 27 years lease; price required for the goodwill £400.

14.—ILFORD (RETIREMENT VACANCY).—Good Middle-class Business situate in excellent position; takings £14 per week, scope; very low rental; price about £400 all at.

15.—SOUTHEND.—Cash Drug Store for sale; established 17 years ago; net profit over £3 per week; inclusive purchase price required £300 all at or near offer.

16.—LONDON, S.W.—General Retail Business with excellent Panel Dispensing connexion; takings about £2,000 per annum; excellent profits; rent only £70 per annum; price required £1,350 all at.

17.—MIDDLESEX (RETIREMENT VACANCY).—Family Retail Business with Photographic and full wine licence; takings last year £1,810; good profits; solid mahogany fixtures; stock worth £500; good living accommodation; new lease at £80 per annum, rising to £90 per annum and £100 per annum subsequently; price required £600, s.a.v.

18.—LONDON, E.4.—General Retail Business for sale owing to retirement of Vendor; takings last year exceeded £1,000; gross profit £366; scope; valuable stock and attractive fixtures; modern living accommodation; price £250 all at, or near offer.

19.—WEST COUNTRY.—General Retail Business for sale taking over £2,000 per annum; premises must also be purchased; country town; scope; for sale by Order of Administrators; full particulars upon application.

20.—GRIMSBY.—Middle- and Working-class Business for sale; established over 50 years; takings this year approximately £1,250; gross profit 39 per cent.; good, clean, saleable stock; Vendor estimates stock and fixtures to be worth £700; exceptional living accommodation over; inclusive purchase price required £750.

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Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

ERNEST J. GEORGE & Co.

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Lancashire and District Representative: Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone: Great Moor 2405

Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

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(C3) **BLACKPOOL.**—Turnover £800 and increasing; rent £78; good living accommodation; price £350 or nearest offer.

(C4) **LONDON, S.E.12.**—Middle-class business with excellent potentialities; immediate sale desired and first offer accepted; present returns about £20 weekly; living accommodation; rapidly growing district; further particulars upon application.

(C5) **SUSSEX.**—Turnover 1936, £2,100; rent and rates £65; living accommodation; garage; stock and fittings estimated £800; price £1,400.

(C6) **STOKE NEWINGTON.**—Increasing turnover, now about £30 weekly; large house; low rental and price; good scope.

(C7) **MIDDLESEX.**—Attractive modern Pharmacy; increasing returns (now about £50 weekly); rent £104; price £1,500 all-at; owner retiring.

(C8) **LEEDS.**—City Business; turnover £2,200, increasing; net profit £450; price £800 or near offer; £500 down and balance by arrangement.

(C9) **EAST KENT.**—Situated in rapidly developing district; returns £1,800; should definitely reach £2,500 shortly; living accommodation; stock and fixtures £700; price £1,050 or near offer.

(C10) **NORWOOD (DEATH VACANCY).**—Drug Store situated in shopping street; excellent prospects; returns for last year, £1,046; living accommodation; rent £55; price £450 all-at; splendid opportunity.

(C11) **WOOD GREEN (NEAR).**—Middle-class with living accommodation; returns about £35 per week; excellent scope; very low rental; price by negotiation.

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Valuations for transfer, probate, income tax, etc., promptly executed at economical rates. Agency for locums, managers, etc.

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(One minute from St. Pancras and King's Cross Stations.)

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3.—**MIDLANDS.**—Light suburban Retail, pleasantly situated; returns about £1,200; easily worked; good house; price about £850.

4.—**EASTERN COUNTY.**—Light Cash Retail; returns £1,200; net profit £362; well stocked, low rent; price £600.

5.—**BEDS.**—Unopposed Drug Store; returns over £900; net profit £274; scope for Qualified Chemist; price about £400.

6.—**NORTH-WEST SUBURB.**—Good-class business, in prominent main road position; turnover £3,000 under management; modern attractive shop, fully stocked; long lease; price £1,900.

7.—**WEST MIDDLESEX.**—Good middle-class Retail, prominent main road position; returns £2,000, good profits; low rent; price £850 plus stock at valuation about £450.

8.—**NORTH LONDON.**—Light Cash Retail with good panel; returns about £2,000; net profit £450; corner main road position; good stock; price £1,200.

9.—**TULSE HILL (Near).**—Light Family Retail, main road position; returns £1,260, increasing; good house; illness necessities sale; price about £850.

10.—**CAMDEN TOWN.**—Genuine Drug and Photographic Store; returns over £700; splendid chance for Chemist; low rent; house attached; owner retiring; price £500 or offer.

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desirous of selling without any publicity or advertising should correspond with us without delay; we have cash buyers for businesses in all parts, up to £3,000 cash, especially Midlands, South-West, Southern and Home Counties. No sale, no charge.

Estab. 1870,

Telephone: Terminus 3574.

THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED

(Business Agency, Transfer & Valuation Department)

KIMBERLEY HOUSE, and at EXCHANGE CHAMBERS,
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34 MARKSBURY AVENUE, RICHMOND, SURREY

I have, for exclusive disposal, a number of attractive businesses both in London districts and elsewhere, with turnovers ranging from £25 per week to £3,000 per annum.

Vendors, desiring disposal of present businesses, may avail themselves of my PERSONAL and CONFIDENTIAL SERVICE.

BUSINESSES FOR DISPOSAL

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CENTRAL SCOTLAND.—Pharmacy doing £25 to £26 weekly, chiefly cash; rent £70; lock-up shop; lease granted; old-established business; owner retiring. 212/15, Office of this Paper.

DERBYSHIRE.—Opportunity to acquire an old-established Chemist's Business on main road; good scope for increase; present returns £1,500 under female management, showing good profits; good shop, well stocked and fitted. 212/23, Office of this Paper.

HOVE.—Drug Store; large double-fronted lock-up shop; rent £30; present lease two years, renewable another seven years same rental; established as a Chemist; trade £10 weekly; great scope for Qualified man; price £80, s.a.v. about £160; could be reduced if desired, or £230 all at, or offer. Apply 211/12, Office of this Paper.

LIVERPOOL.—Good middle-class Business, near centre of city; with living accommodation; turnover last year £1,418; could be increased. Also good City Business; turnover last year £1,431. Offers for either or both invited. Apply Hugh Jones & Lewis, Chartered Accountants, 8 Victoria Street, Liverpool.

LONDON.—Good Working-class Drug Store; established 16 years; lease 19 years unexpired; rent £65 and rates, sublets nearly cover; takings £17 to £18 per week, could be doubled with Panel; no immediate opposition; good reason for disposal. Offers invited. Apply, letters only, M. Arthur, 36 Heiron Street, S.E.17.

WEST END.—Old-established Business; great possibilities; well known. 212/22, Office of this Paper.

A UNIQUE Surgical accessory business for sale as going concern; price, £600, includes machines, stock and valuable goodwill; well-known and established. Write Box 5514, Rays Cecil Court, W.C.2.

ALL Overhead Charges met by Subsidiary Business.—Exceptionally good opportunity for fully Qualified Chemist to start in main-road position without fear of failure. To those interested and wanting proof of this advertisement, write or call (Sunday no objection) to Owner, 12 Carbery Row, Southbourne, Bournemouth. Alight Irving Road 'bus stop. Telephone, Southbourne 1231.

AN Opportunity to secure excellent long-established West London main-road Chemists; sound trade; large populated area near several Doctors; nicely fitted corner shop, 22 ft. 6 in. by 20 ft. parlour, store room and dry cellarage; to let at £90 per annum on lease; living accommodation also available if desired. Owner, 51 Finlay Street, S.W.6.

BARGAIN for Immediate Sale, Suburban Business; returns about £1,500; price, valuation of stock and fixtures only. 312/357, Office of this Paper.

CASH Retail and Dispensing; N.H.I.; established 50 years; owner now retiring; main London road; 5 miles from City warehouses; free delivery; lease about 2 years to run, £75 per annum exclusive. Further particulars from Darwen, 212/4, Office of this Paper.

CHEMIST, Druggist and Optician.—Old-established business; main road; multiple position; favourite Surrey town; nicely fitted shop, 2 flats over; nett rent only £82 per annum; trade about £50 per week; plenty of scope; price, for valuable lease, goodwill and fittings, only £500. Full particulars, E. W. Perry & Daw, 7 Finsbury Square, E.C.2.

OLD-ESTABLISHED Business, W.C. district; same hands over 40 years; returns, under management, approximately £2,500; great scope for increase under own management; no direct opposition; good reason for selling; price £1,500. 210/5, Office of this Paper.

BUSINESSES WANTED

WANTED.—Chemist's Business or Partnership in same, about £2,000 preferred, more if necessary; fully Qualified young Chemist. Full details in confidence to 312/352, Office of this Paper.

PREMISES TO LET

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

NEW MALDEN.—Excellent Shops to be Let or Sold, each with two flats over; situated in centre of new estate, which is about a mile from nearest shops. Box No. 6, Homefinders, 74 Victoria Street, S.W.1.

NORTH CHEAM.—Few excellent Shops and Flats to be Let or Sold; surrounded by new estates and on main road. Box No. 6, Homefinders, 74 Victoria Street, S.W.1.

HANDSOME Modern Shops with Staybrite fronts; good living accommodation, adjoining G.P.O.; main road; centre of good residential and growing district; rents from £100 per annum. Apply W. Burton Day, Architect and Builder, Lido Parade, Washway Road, Sale, Manchester.

NEW Lock-up Shops, with 3-4 Bedroom Flats over, on corner site, close to Hayes and Harlington Station, Middlesex; now ready for letting or selling. £150-£170 per annum. Apply Unit Construction Co., 1 Robert Street, London, W.C.2.

SHOP Premises to Let in populous district; trade required, Chemist and Druggist. For particulars, apply Robinson & Roods, 37 Bedford Row, W.C.1.

APARTMENTS

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

BUSINESS OPPORTUNITIES

SOUTH African Chemists, well established, wish to associate with a home firm of good standing with a view of profitable co-operative buying. References given and required. Interested firms please write to "Buyers," P.O. Box 33, Benoni, Transvaal.

EXPORT CONSULTANT.—Manufacturers requiring independent advice in connexion with their export sales are invited to consult William Lyall Willis, M.I.Ex., M.A.A., Billiter House, Billiter Street, E.C.3. Telephone, Royal, 6052. Adviser to many of Great Britain's leading manufacturers.

COMPANY REGISTRATION

FOR over 25 years I have been advocating, and practising what I preached, as regards the registration of Chemists' businesses for reasons given with my free quotation for any size business. You might also do your friends a good turn by mentioning my name and address.

A. BERNARD SLACK,
721 PRINCESS ROAD, MANCHESTER 20.

TENDERS

TENDERS invited for Supplies of Full Cream Roller Process Dried Milk; 5 Ton Annual Requirements. 211/21, Office of this Paper.

SALES BY AUCTION

Removed from Wimbledon, Putney, etc.

5 LITTLE BRITAIN (close to G.P.O.), CITY

CHEMISTS SHOP FITTINGS, Showcases, National Cash Registers, Safes, Typewriters, Office Furniture, etc.

B. NORMAN & SON

will sell by Auction, Wednesday next at 11.30 a.m.
Catalogues on Application. Tel. NAT 6463.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

AGENCIES

SOUTH MIDLANDS & S. WESTERN COUNTIES.—Manufacturers desiring Representation to Chemists, and not covering directly with own staff, are invited to communicate; existing connexions and National Proprietaries already carried; thorough cover assured over all territory. Write "Agencies," c/o 25 Jamaica Street, Bristol 2.

SWITZERLAND.—Agencies for well-known first-class products of the Pharmaceutical and Allied Branches sought by firm (Actien-Gesellschaft) in Berne; manufacture and pack if necessary; laboratory under the supervision of experienced English M.P.S.; excellent storage facilities for merchandise in question; detailed offers requested. 210/2, Office of this Paper.

ADVERTISER, having option purchase growing Manufacturing business—outstanding Chemist Proprietaries and very sound connexion, invites correspondence few firmly established Manufacturers' Agents view acquisition and national development for mutual benefit. Proposition requires investment £200 and exclusive territory, but primary essential is proof of standing and ability to work to co-partnership standard. Serious-minded principals only—agents ignored—should give full details, in confidence, first letter, to Lynch and Furlong, Solicitors, 31 North John Street, Liverpool.

DISTRIBUTING Agents wanted for well-established Firm manufacturing Hair Creams, etc.; must have first-class connexion amongst Chemists, etc.; the firm will be required to deal with Wholesale and Retail; large turnover is assured, but only a firm carrying good lines and willing to put incentive and energy into this business need apply. The terms will be good and every encouragement will be given. Write in first instance for an appointment with the Managing Director, 312/351, Office of this Paper.

OPPORTUNITY FOR A FIRM REQUIRING LIVE AGENT OR REPRESENTATIVE

A QUALIFIED Chemist, with up-to-date ideas, recently returned from abroad, is open to accept Agencies, Representation or Distribution of well-established lines; has centrally situated office in Liverpool; car available and clear knowledge of distributive trade. Apply 211/23, Office of this Paper.

APPOINTMENTS

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

RAMPTON STATE INSTITUTION FOR MENTAL DEFECTIVES, NEAR RETFORD, NOTTS.

PHARMACIST (WOMAN), SINGLE

WAGES commencing at 68s. 6d. per week, rising to 76s. 6d. per week (no allowances).

Applicants should be members of the Pharmaceutical Society, will be required to carry out duties of Dispenser and will also do clerical work. Knowledge of Photographic Work an advantage. Annual leave, 14 days after each six months' service, i.e., 28 days per annum.

Subject to certain conditions, this post is pensionable under the Civil Service Superannuation Acts.

Applications, stating age, experience and references, etc., should be sent to the Medical Superintendent.

ROYAL LONDON OPHTHALMIC HOSPITAL (Moorfields Eye Hospital)

City Road, E.C.1.

ASSISTANT Pharmacist (male) required, hours 8.30 a.m. to 4.30 p.m., with occasional late duty; age not to exceed 30 years; salary (subject to superannuation), £200 per annum, rising by annual increments of £20 to £260. Applications, stating age, experience, date of qualification and testimonials, must be received not later than October 7, 1937. B. S. Clarke, Pharmacist.

APPRENTICESHIP

APPRENTICE (male), passed matriculation, public school; thorough training in every branch of modern Pharmacy; time for study. Percy T. Harris, 183B King's Road, S.W.3.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BARNES.—Junior Assistant wanted for good-class Dispensing and Photographic Business; first-class references essential. Apply, stating age, height, experience and salary required, to Feltwell & Son, 90 Church Road, Barnes, London, S.W.13.

BRIGHTON.—Junior Improver for good-class Dispensing and Photographic business at Hove; passed Part 1 preferred; education, experience, age, height, salary; photograph, if possible, with stamped addressed envelope for return. Applications not answered in four days declined. K. J. Padwick & Sons, 5 Preston Street, Brighton.

CAMBRIDGE.—Unqualified Junior Assistant required for University Pharmacy; no N.H.I. Dispensing. Please send full particulars, photo if possible, salary required, stating when free, to Mr. Harding, J. J. Thomas (Cambridge), Ltd., 34 Trinity Street, Cambridge.

DERBY.—Young Pharmacist required; permanency; N.H.I. Dispensing, Windows, Counter; Family Business; suit recently Qualified; comfortable berth; no Sunday or half-holiday duty. Give full particulars and salary required, enclosing photo, to 212/31, Office of this Paper.

EAST LONDON.—Smart Qualified required; working-class trade and N.H.I.; age about 30; good salary to right man. Apply Mabyn & Co., Ltd., 1 King David Lane, E.1.

LONDON.—Qualified Assistant, middle-class trade and N.H.I. Dispensing. Give particulars of experience, names of references, when disengaged, age and salary expected. Apply (letter only), Chemist, 300 Amhurst Road, London, N.

LONDON.—Qualified Assistant required, with knowledge of Photography. Apply by letter, stating age, experience, when free, and salary required, to the Secretary, Shadforth Prescription Service, Ltd., 49 King William Street, E.C.4.

LONDON.—Unqualified Young Lady required at once; Baker Street district; experienced Dispensing and high-class Toilet trade. Write only, giving particulars of age, experience, and salary required, to 7 Melcombe Street, N.W.1.

LONDON, E.C.—Qualified, required in old-established City business; comfortable, permanency for right man. Apply 44 Cophall Avenue, E.C.2.

LONDON, E.14.—Qualified Assistant required shortly, chiefly Dispensing; light Counter. State age, experience, references, salary required and when at liberty, to 212/29, Office of this Paper.

LONDON, N.W.—Qualified Manager required for Branch in good industrial neighbourhood; excellent prospects for keen and competent man, capable of managing business with increasing Dispensing and turnover. Please give full particulars, salary expected, and when free. 212/60, Office of this Paper.

LONDON, N.1.—Qualified Assistant required for branch; must be honest, obliging and not afraid of work; another assistant kept. Apply, with usual particulars, also state age and wages expected, to 213/24, Office of this Paper.

LONDON, S.E.—Qualified Assistant, Counter and General Dispensing. Please state full particulars in first letter, Briggs, Chemists, 585 Lea Bridge Road, Leyton, London.

MANCHESTER.—Young Qualified wanted for quick Counter and N.H.I.; working-class trade; permanency; usual particulars of experience, salary, etc. Tomlinsons (Manchester), Ltd., 21 and 23 Embden Street, C-on-M., Manchester 15.

NEW KENT AND CANTERBURY HOSPITAL.—Required, immediately, Qualified Dispenser (male or female) for morning work only. Applications, stating experience and salary required, should be sent to the Superintendent.

NOTTING HILL GATE, W.11.—Lady Assistant, young, for good-class Pharmacy; 45s.; hours 9 a.m.—8 p.m., 2½ hours off for meals; whole day off weekly; no Sunday duty. 202/1, Office of this Paper.

WEYMOUTH.—Young Qualified Assistant, preferably married, for good-class business; permanency and good prospects for keen, able, trustworthy man, with sound references. Photo, etc., to Gregory's, Chemists, 75 St. Thomas Street, Weymouth.

WORTHING.—Junior Assistant (male) wanted for good-class Dispensing business; light work and reasonable hours. Witchell, 3 The Broadway, Brighton Road, Worthing.

ASSISTANT, Lady, for good-class business, with knowledge of High-class Toilets and Drug Counter; send photo and details of experience or call. Hudson Banks, Chemist, High Street, Ruislip, Middlesex.

ASSISTANT required immediately; unqualified Junior; comfortable berth, no Sundays; medium-class business. Apply Martins, Chemists, 18 Crown Lane, Morden.

ASSISTANT required, Unqualified, Good-Class Retail and Dispensing; no Sunday work. F. S. Rose, 110 George Street, Croydon.

ASSISTANT, Unqualified, either sex, for Branch Business in North London; comfortable berth for courteous, willing and competent service. Please state age, experience, and salary expected also when free. 212/6 Office of this Paper.

ASSISTANT, Unqualified (male) for busy Pharmacy; reliable Dispenser and not afraid of work. Apply by letter, giving full particulars of age, experience and salary required, to the Secretary, Dewsbury Pioneers' Industrial Society, Ltd., 43 Northgate, Dewsbury, to arrive not later than first post Wednesday, October 6. Envelope to be endorsed "Chemist."

AT Once.—Unqualified Male Assistant, Part I or referred, about 25 years old; Dispensing, Counter and Window-Dressing. Please apply in person between 3 and 5 p.m. Dean, 37 Theobald's Road, W.C.1.

CAPABLE Unqualified Assistant, lady or gentleman, for high-class Family business; must be used to high-class Toilets and Display; reliable Dispenser; permanency; good salary to suitable applicant. H. Dutton, 3 Wilmslow Road, Cheshire, Cheshire.

HODDERS, LTD., The Chemists, Bristol and District, have vacancies for several Unqualified Assistants, with good general experience. Apply, state age, salary required, particulars of experience, and when disengaged, to Managing Director, 5 Nelson Street, Bristol.

IMPROVER (must have served Apprenticeship) for Hospital Dispensary; good opportunity to learn Hospital Pharmacy; time allowed for study; state salary required and give full particulars to Secretary, West Kent General Hospital, Maidstone.

JUNIOR Assistant; or Improver, for high-class Dispensing business near London. Full particulars of experience, age, height, and salary required. Chas. Lowe & Co., Surbiton, Surrey.

JUNIOR Assistant, Unqualified, required for Dispensing and Counter work. Write, stating age, salary required and usual particulars. Ferris, Chemists (London), Ltd., 134 High Street, Peckham, S.E.15.

JUNIOR, Unqualified Assistant (Male) wanted immediately for Good-Class Family and Dispensing Business. Please state full particulars as to age, experience and salary required in first letter. Haynes and Son, Mentone Pharmacy, Parkstone, Dorset.

LADY Assistant for Counter and Dispensing. State age, salary and experience to Donald Banks, Chemist, Pinner, Middlesex. Telephone 53.

LADY Assistant, Qualified, young, required immediately for Central London; front Counter and Dispensing. State details of experience and salary expected. 213/10, Office of this Paper.

LADY Dispenser (evening) wanted in Doctor's house; small practice; some light household duties required; live in; maid kept; London district. Write stating age, salary, references, B.B., 212/54, Office of this Paper.

MANAGER required for first-class West End Business; good Counterman essential. Particulars of experience and salary required to 212/32, Office of this Paper.

OPTICAL Manager (not necessarily pharmaceutical qualification) required for the Optical and Surgical branch of Messrs. Holman, Ham & Co., Exeter. Apply, with full particulars of experience, salary, etc., to 1 Old Tiverton Road, Exeter.

PART-TIME, London, S.E.14; evenings, Tues., Wed., Thurs., 5.30 to 8 p.m.; Sat. 5.30-9.0; alternate Sunday 6-8 p.m.; Dispensing and Counter; state age, experience and salary required to 211/13, Office of this Paper.

PHARMACY.—Experienced Young Qualified Assistant for Central Premises. Good knowledge of Window-dressing and Photography. Applications in writing, stating age, salary, full particulars of experience, and enclosing copies of references, to Managug Secretary, Portsea Island Mutual Co-operative Society, 48 St. Mary's Road, Portsmouth, not later than October 5, marking envelopes "Chemist." Canvassing will disqualify.

QUALIFIED Assistant, young, wanted in about one month for Family suburban business. Apply 312/358, Office of this Paper.

QUALIFIED Chemist-Optician required as Manager; state salary required, age, height, qualifications and experience; situation is in Kent. 212/2, Office of this Paper.

QUALIFIED Junior Assistant (male) required at once for high-class Dispensing business. Apply T. Jones & Co., 5 Putney Hill, S.W.15.

QUALIFIED Manager (married) wanted at once for a business in S.E. London which has lately been neglected; to one who will show enthusiasm a commission on increased returns plus salary £4 weekly, and good redecorated flat, 4 rooms, bath, h. & c., and lavatory, is offered; interview will be arranged. Applicants are requested to send full particulars, testimonials, and photograph, to C. Bayley, Uppingham, Rutland.

QUALIFIED, to assist Dispensing from 10.30 a.m. to 12.30 p.m. and from 7 p.m. to 9 p.m.; Bermondsey. Write 213/12, Office of this Paper.

UNQUALIFIED Assistant; easy hours, no Sunday or holiday duty. State full particulars, W. E. Barker, The Pharmacy, Burnham, Bucks.

UNQUALIFIED Assistant (for branch), experienced in N.H.I. Dispensing and general Counter work. Apply, with full particulars as to experience, salary, etc., Bewells, Ltd., 19-21 Pitfield Street, London, N.1.

UNQUALIFIED Assistants, age 19-25, required in Hants and Surrey. Reply, giving usual particulars, to Trimming & Co., Ltd., Alton, Hants.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

UNQUALIFIED Lady Assistant required at once; good Counter and Dispensing experience; comfortable situation for suitable applicant. Apply in writing, stating age, experience, salary required, etc., in first letter. 210/1, Office of this Paper.

WANTED.—Chemist, Qualified Male Assistant, temporary (age 21-30) required from October 18, 1937 to April 23, 1938 (inclusive). Write, before October 11, stating age, experience and salary required, to the Secretary, Darwen Industrial Co-operative Society, Ltd., School Street, Darwen.

WANTED.—Experienced Lady Assistant, Qualified or Unqualified; Dispensing, Counter, Photographic (Sales) and Window-dressing, High-class Toilets; good appearance. State age, experience, salary required (enclose photo), etc., to Miss C. M. Joyce, Chemist, Loughborough.

WANTED.—Qualified Assistant for Dispensing and Counter. State age and salary; North London. Apply 212/37, Office of this Paper.

WANTED, Qualified Lady or Gentleman; London, W.; middle-class trade; comfortable berth; £4 a week. Apply, with particulars, 211/3, Office of this Paper.

WANTED, Qualified Manager for branch, age about 40; out-door; reliable Dispenser. State experience, age, recent references (which will not be taken up unless terms are arranged). Required at once. Savage, Chemist, Brighton.

WANTED.—Smart, capable Junior or Improver for light Retail and Dispensing; comfortable berth; South Wales; permanency to suitable young man; state age, height, experience, salary expected; enclose photo or snap (returnable); suit Welsh, English or Scotch. 213/7, Office of this Paper.

YOUNG Unqualified Assistant required for good-class residential district; one recently finished apprenticeship suitable; excellent opportunity for gaining all-round experience. Full particulars in first letter, with age, height, experience, etc., to Copeland, 4 Queensway, Petts Wood, Kent.

YOUNG Unqualified Assistant wanted for Southall, Middlesex; must be quick Dispenser. Apply, with full particulars as to age, height, references, salary required, photo and when free, to Philip Hudson, M.P.S., Wisbech.

£6 PER WEEK and Commission offered to Chemist-Optician as Manager of good-class business in Westminster; must be of smart appearance and keen Salesman with plenty of initiative; good Window-dresser; progressive position; hours, 9-6.30, Saturdays 1 p.m.; no Sunday duty. Apply in first instance to Percy Cheetham, 133 Canterbury Road, Margate.

WHOLESALE

EXCELLENT OPPORTUNITY for Young Man under 35 years, looking for a future, to connect with a proprietary medicine manufacturer. Must have practical experience selling all patent medicine outlets; Wholesale and Retail; car essential, and resident London or near preferred. Give full details about yourself in first letter which will be held confidential. M.P.S. background not necessary. 312/359, Office of this Paper.

LEADING Manufacturers of nationally-advertised products wish to appoint Young Man, under 30, to train as Assistant Sales Manager. Applicants should have good Selling experience and have actual knowledge of Sales Office routine; only first-class men of the executive type, with good sales records and exceptional ability need apply. Write, stating age, fullest particulars of past experience, and salary required, in confidence. Our own staff have been advised of this announcement. 312/355, Office of this Paper.

PART-TIME Salesman, commission only, required for new Perfume, nationally advertised; must have thoroughly established dependable connexion, concentrated in the counties of Norfolk, Suffolk, Hunts, Cambs, and Essex, developed over lengthy period. Applicants must give fullest information, age, remuneration, lines carried, frequency of journeys, etc.; selected applicants' expenses paid for interview, London. 312/356, Office of this Paper.

REPRESENTATIVE with live connexion amongst Chemists, Stores and good Hairdressers, wanted immediately to sell "Fifth Avenue" Beauty Preparations and "Cosmetist." Own Name lines and bulk cosmetics. Terms: Commission only, with liberal weekly drawing account against commission earned. One or two non-competing lines not objected to; must pass Guarantee Society. Write fully to Eucos Products, Ltd., Carlisle Road, N.W.9. Colindale 7282.

REPRESENTATIVES Wanted for Approved Chemical Dry Cleaner selling retail at 6d., 1s. and 1s. 6d. per bottle, for London and Provinces; must have good connexions; marvellous sideline for right men. Please write in full, stating districts covered, to Hyde Chemical Works, Ltd., 15 Colindale Avenue, London, N.W.9.

SALESMAN required who has connexion with Chemists in London and Home Counties; must be man of enterprise and initiative capable of developing prestige and popular pharmaceutical lines; age 25-30; must be able to drive car. Applicants should give full details of previous experience, 312/360, Office of this Paper.

WANTED for a Factory in the Midlands, a capable man with experience in manufacture of Powder Puffs, Sponge Bags and similar toilet requisites. Apply, stating experience, age, and salary required. 312/353, Office of this Paper.

WANTED.—Young Man as Unqualified Junior Laboratory Assistant; must have had good Apprenticeship with some knowledge of Hospital and Doctors' Supplies; good opportunity of gaining experience in making Galenicals and Preparations. State age, particulars of apprenticeship, salary required, and when disengaged. P. Jeyes & Co., Ltd., Drapery, Northampton.

COLONIAL, INDIAN AND FOREIGN

SPLENDID Openings for young Pharmacists desirous of going abroad. Reply, stating age, experience, etc., to 312/354, Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.A.—MANAGER, over 20 years' experience all branches; London and Suburbs; business builder; excellent references. Chemist, 30 Lorne Close, Hanover Gate, N.W.8.

ANY Elderly or Invalid Chemist who wishes to be relieved of responsibility, Man and Wife offer their Services (wife Qualified), or Management of Branch, or any position of trust; all-round West End experience. 213/15, Office of this Paper.

ASSISTANT or Manager, Unqualified; thoroughly experienced in Dispensing, Prescribing, Photography and Toilets; excellent references; disengaged October 18. Scott, 125 King's Avenue, Clapham Park, S.W.4.

ASSISTANT (28), experienced high-class Family and West End Business; expert Dispenser. C. H. J. Bishop, 41 Hillcross Avenue, Morden, Surrey.

CAPABLE Qualified Gentleman (30); Manager or Senior; well experienced; trustworthy; good appearance; free soon. "F.", 49 Princes Square, W.2.

CHEMIST, experienced; excellent Prescriber; Locum or permanency; disengaged October 18; London or provinces. Chemist, 36 Buckley Road, Brondesbury, London, N.W.6.

DISPENSER-BOOKKEEPER (Hall) would like part-time post in or near London with Doctor, Chemist or Institution; free 2.30-4.30 p.m. or 6-7.30 p.m., also Sunday if desired. 212/25, Office of this Paper.

EASTBOURNE and District; Qualified Assistant (29); 7 years' London experience; as Locum or permanency; free October 4. Cooper, 4R Golden Miller Lane, Polegate, Sussex.

EXPERIENCED Registered Pharmacist, having completed summer bookings, can undertake further engagements. "Locum," c/o York House, Chipping Sodbury, Gloucestershire.

GLASGOW OR NEAR.—Qualified man of good standing open for part-time engagement, supervision or light duties. 208/4, Office of this Paper.

IMEDIATE.—Qualified Northerner (23), post in London, City or high-class Suburbs; prize Windows; thoroughly experienced. Phone: Abercorn 1948. Write P.C.B., 258/2, Office of this Paper.

LADY Dispenser (Hall Certificate) desires any type of post; North, East, or Central London; some experience. 213/26, Office of this Paper.

LADY L.P.S.I. desires position as Assistant in or near London; experienced Dispenser; very sound references. 213/17, Office of this Paper.

LADY, middle-aged, requires post; Chemist, Doctor, Factory, Dispensing and Nursing experience (Hall); Housekeeper (where maid). 48 Grimshaw Lane, Ormskirk.

LOCUM or Permanency; sole charge; light National Health; recommended; disengaged October 4; unqualified. Locke, 4 High Street, Dover.

LOCUM, Qualified; good varied experience and references; disengaged October 11. S. T. Hoskins, M.P.S., c/o Mr. Attewell, Pharmacist, Stoke, Plymouth.

LOCUM, Qualified, Registered N.P.U.; disengaged October 4; any distance. Phone Hounslow 2440. 33 Union Road, Croydon.

LOCUM, Qualified, varied experience, London area; disengaged. Flood, 84 Crescent Lane, Clapham, S.W.4.

MANAGER, Locum, middle-aged; quick Dispenser, Counter; Reliable. Chemist, Golden Cross, Harvington, Evesham.

MANAGER (31), requires similar post, South-West London or Surrey; minimum salary £5 per week. M.P.S., 120 Claremont Avenue, New Malden.

MANCHESTER or Salford, M.P.S. (40) requires Managerial or responsible post; excellent experience in Pharmacy (Dispensing, Counter, etc.); excellent references; disengaged October 23, or before if necessary. Pharmacist, 247 Regent Road, Salford. Tel. TRA. 0765.

M.P.S. (37); 10 years' varied experience as Manager; free in a few weeks; London or near preferred; good-class Family Dispensing business. 213/23, Office of this Paper.

PART-TIME (evenings and Saturdays, Sundays, or by arrangement); permanent; Unqualified Male (30); experienced Dispenser, Photographic, Windows. 211/16, Office of this Paper.

PERMANENCY desired, locality immaterial; 30 years' experience; quick accurate Dispenser; good Window-dresser, Salesman, Prescriber, practical Developing and Printing; excellent references; please state salary offered. Field, 38 Gladstone Road, Birmingham, 11.

PHARMACIST, active and reliable; experienced as Manager (age 45); disengaged October 30. G. Williams, 43 Norroy Road, Putney, S.W.15.

PHARMACIST desires position as Manager or Superintendent in London; elderly, active, well recommended, abstainer; moderate salary or arrangement. 212/33, Office of this Paper.

PHARMACIST, experienced in all branches, excellent references (35); Midlands preferred. Dodds, 75 Perry Park Road, Blackheath, Birmingham.

POSITION of Trust or Managership; elderly Pharmacist; absolute integrity; moderate salary. 213/9, Office of this Paper.

QUALIFIED, fully experienced all round; London preferred; Locum or permanency; well recommended. "Lounds," 44 Clovelly Road, Ealing, W.5.

QUALIFIED Lady, 20 years' experience in every branch of business, including Management, desires post in good-class Dispensing business; interview; London or Home Counties. 213/16, Office of this Paper.

QUALIFIED Manager or Locum, free October 16; excellent London and South Coast experience; investment if desired. Chemist, 24 Seabourne Road, Boscombe.

QUALIFIED Manager (30), single, desires progressive post; Sales ability, Display ideas, Photographic knowledge; free one month. 211/17, Office of this Paper.

QUALIFIED (45) desires permanency as Manager; excellent London experience; first-class references; preferably in West London area. Chemist, 17 London Road, High Wycombe, Bucks.

QUALIFIED (34), married, desires post as Manager, country or seaside preferred, but not essential; experienced all branches; available almost immediately. C. Raddats, at Sompington Road, Post Office, Lancing, Essex.

QUALIFIED (24), seeks permanency; 3 years' Managerial experience with private and company chemists; good references; free October 8. "T," 17 Westminster Road, Whitehall, Bristol.

QUALIFIED (33, tall), 8 years' managerial experience, all branches (London and West End); desires permanency, with house or flat preferred, not essential; London or London Suburbs. 212/12, Office of this Paper.

UNQUALIFIED Assistant (27), tall, good appearance and address; 9 years' first-class Dispensing, Counter and Window-dressing experience. Chemist, 182 Hamstead Road, Birmingham 20.

UNQUALIFIED (45, single), experienced; good references (business and private); seeks good berth; slight allowances in return of services. 212/45, Office of this Paper.

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LONDON Representative, 20 years' connexion, 9 years present firm; over 800 regular accounts; wants a few side lines. 211/14, Office of this Paper.

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QUALIFIED Pharmacist (27), good personality, 10 years' Pharmacy experience, seeks position as Medical Propagandist; interview gladly arranged. 212/3, Office of this Paper.

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